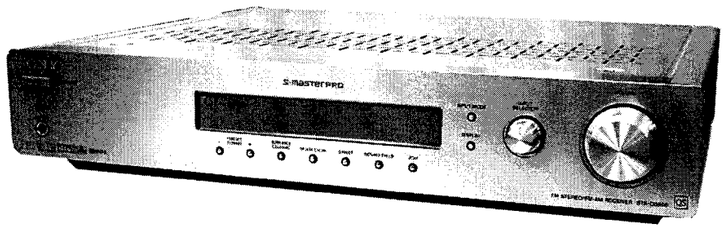
STR-DB900

SERVICE MANUAL

Ver 1.0 2004.08

AEP Model
UK Model
E Model



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"DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.

SPECIFICATIONS

Amplifier section

POWER OUTPUT
Rated power output in stereo mode
(8 ohms, 1 kHz, DIN) 120 W + 120 W
Reference power output
(8 ohms, 20 Hz – 20 kHz, THD 0.7%)
FRONT*: 100 W + 100 W
CENTER*: 100 W
SURROUND*:100 W + 100 W
SURROUND BACK*:100 W

* Depending on the sound field settings and source being used, there may be no sound output.

Inputs (Analog) Sensitivity: 500 mV
Impedance: 50 kilohms
Inputs (Digital)
DVD (Coaxial) Impedance: 75 ohms
Outputs
LINE (subwoofer) Voltage: 2 V
Impedance: 1 kilohm

FM tuner section

Tuning range 87.5 – 108.0 MHz
Antenna terminals 75 ohms, unbalanced
Intermediate frequency 10.7 MHz

AM tuner section

Tuning range 531 – 1,602 kHz
Antenna Loop antenna
Intermediate frequency 450 kHz

General

Receiver

Power requirements 230 V AC, 50/60 Hz
Power consumption 130 W
Dimensions (w/h/d) 430 × 85 × 400 mm including projecting parts and controls
Mass (approx.) 6.2 kg

Remote control

Remote control system Infrared control
Power requirements 3 V DC with two R6 (size-AA) batteries
Dimensions 210 × 49 × 25 mm
Mass (approx.) 85 g excluding batteries

Supplied accessories

FM wire antenna (1)
AM loop antenna (1)
Remote commander (1)
R6 (size AA) batteries (2)

Design and specifications are subject to change without notice.

FM STEREO FM/AM RECEIVER

SONY

9-879-123-01 **Sony Corporation**
2004H0278-1 **Audio Group**
© 2004.08
Published by Sony Engineering Corporation

Unleaded solder

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350°C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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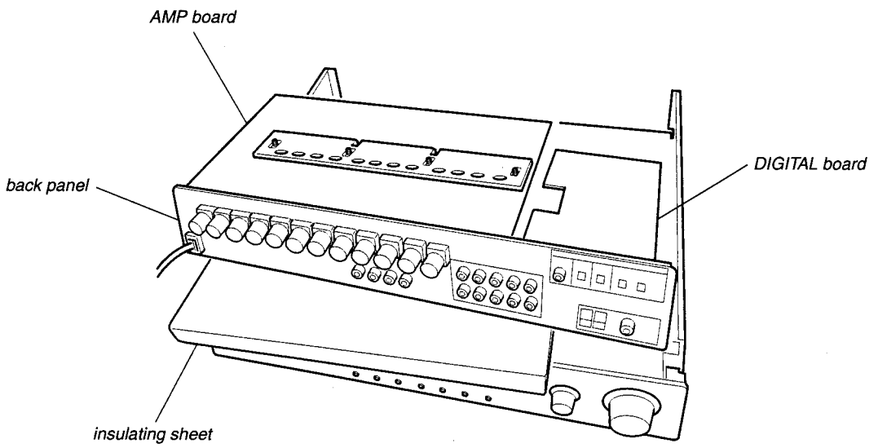
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
SERVICING NOTES

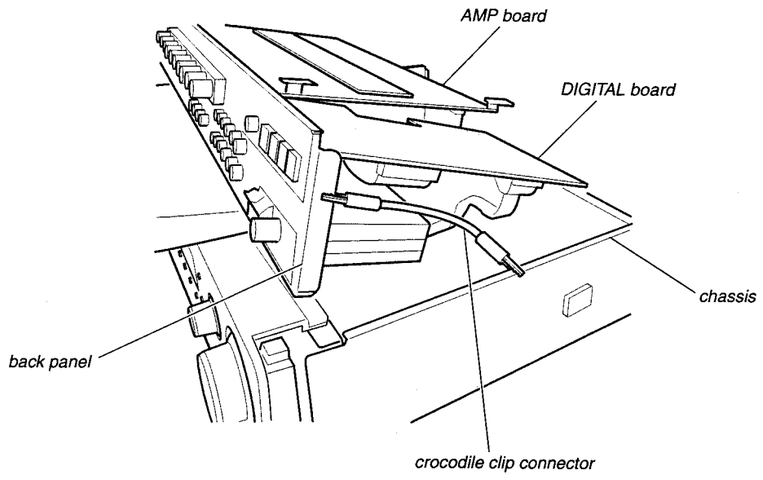
1-1. AMP BOARD, DIGITAL BOARD SERVICE POSITION

In case of checking AMP board or DIGITAL board from bottom side, please remove those with back panel.



1-2. NOTE ON CHECKING AMP BOARD OR DIGITAL BOARD WHILE TURNING ON ELECTRICITY

In case of checking AMP board or DIGITAL board while turning on electricity, please connect with an crocodile clip connector between back panel and chassis.



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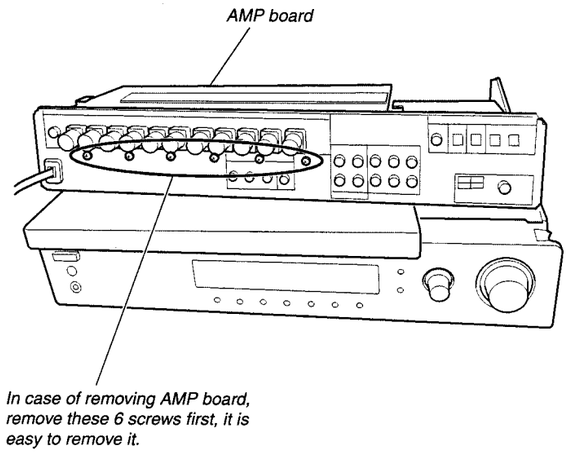
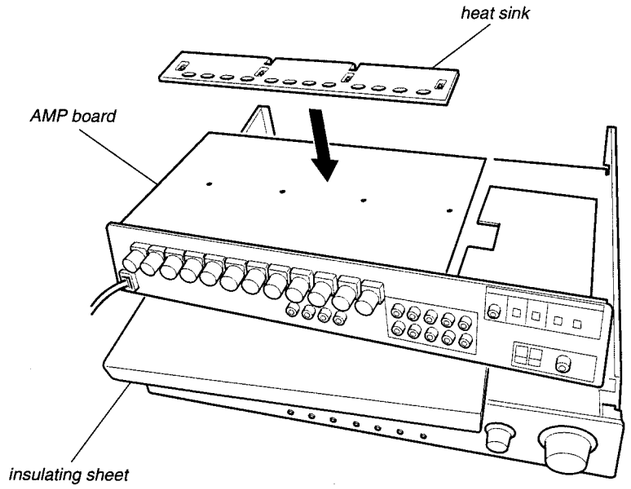
1-3. NOTE ON AMP BOARD REMOVAL



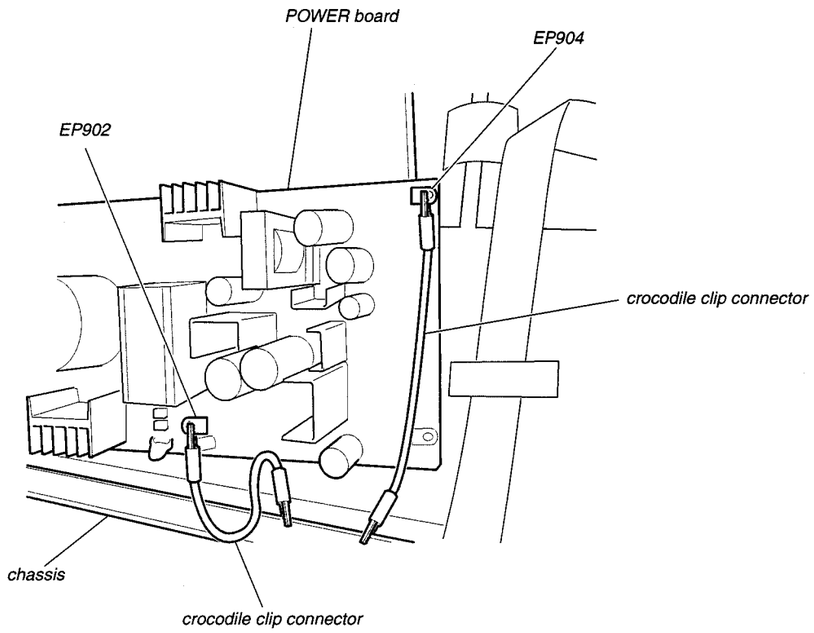
1-4. NOTE ON HEAT SINK INSTALLATION

Be sure to install it in the direction as shown in the figure.



1-5. NOTE ON CHECKING POWER BOARD WHILE TURNING ON ELECTRICITY 1

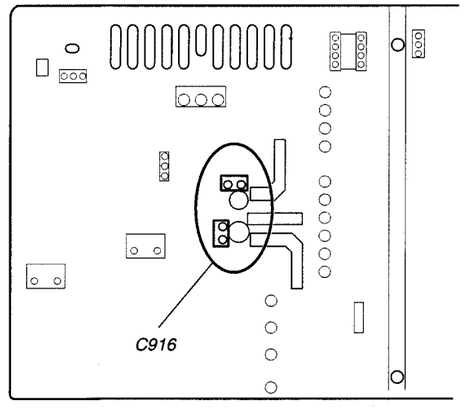
In case of checking POWER board while turning on electricity, please connect with crocodile clip connectors between two ground terminals (EP902, 904) and chassis.



1-6. NOTE ON CHECKING POWER BOARD WHILE TURNING ON ELECTRICITY 2

Do not touch the capacitor (C916) on POWER board while turning on electricity, because of the voltage becomes 350VDC (Max.).

【 POWER BOARD 】 (SIDE B)



SECTION 2
GENERAL

This section is extracted from instruction manual.

List of button locations and reference pages

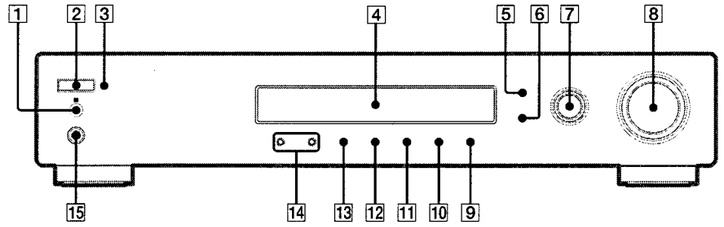
Main unit

ALPHABETICAL ORDER

DIRECT [11]
DISPLAY [6]
Display window [4]
INPUT MODE [5]
INPUT SELECTOR [7]
MULTI CH IN [12]
PHONES jack [15]
POWER (power) switch [2]
PRESET TUNING +/– [14]
SOUND FIELD [10]
STANDBY indicator [3]
SURROUND BACK DECODING [13]
VOLUME [8]

NUMBERS AND SYMBOLS

(remote sensor) [1]
2CH [9]



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SECTION 3
TEST MODE

[FL TEST MODE]
Fluorescent segments display test

Procedure:
1. Press the [POWER] button to turn the set off.
2. To enter the test mode, while pressing the two buttons [DISPLAY] and [SOUND FIELD], press [POWER] button.
3. All segments turn on.
4. To exit from this mode, press the [POWER] button to turn the set off.

[VERSION CHECK]
Firmware Version Check

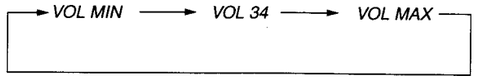
Procedure:
1. Press the [POWER] button to turn the set off.
2. To enter the test mode, while pressing the two buttons [DIRECT] and [SOUND FIELD], press [POWER] button.
3. The message version " DB9 CE 1.05 " is displayed.
4. To exit from this mode, press the [POWER] button to turn the set off.

[KEY CHECK]
Check the buttons operate normally or not.

Procedure:
1. Press the [POWER] button to turn the set off.
2. To enter the test mode, while pressing the two buttons [DIRECT] and [SURR BACK DECODING], press [POWER] button.
3. The message " RESET ** " is displayed.
   **: Number of buttons
4. Every time you press the button, ** counts down one by one.
5. In case of every buttons are pressed, the finished indication " RESET 00 " appears.
6. To exit from this mode, press the [POWER] button to turn the set off.

[SWAP ALL MODE]
Outputs of speakers checking mode. The L/R channel signals output from all of the speakers.

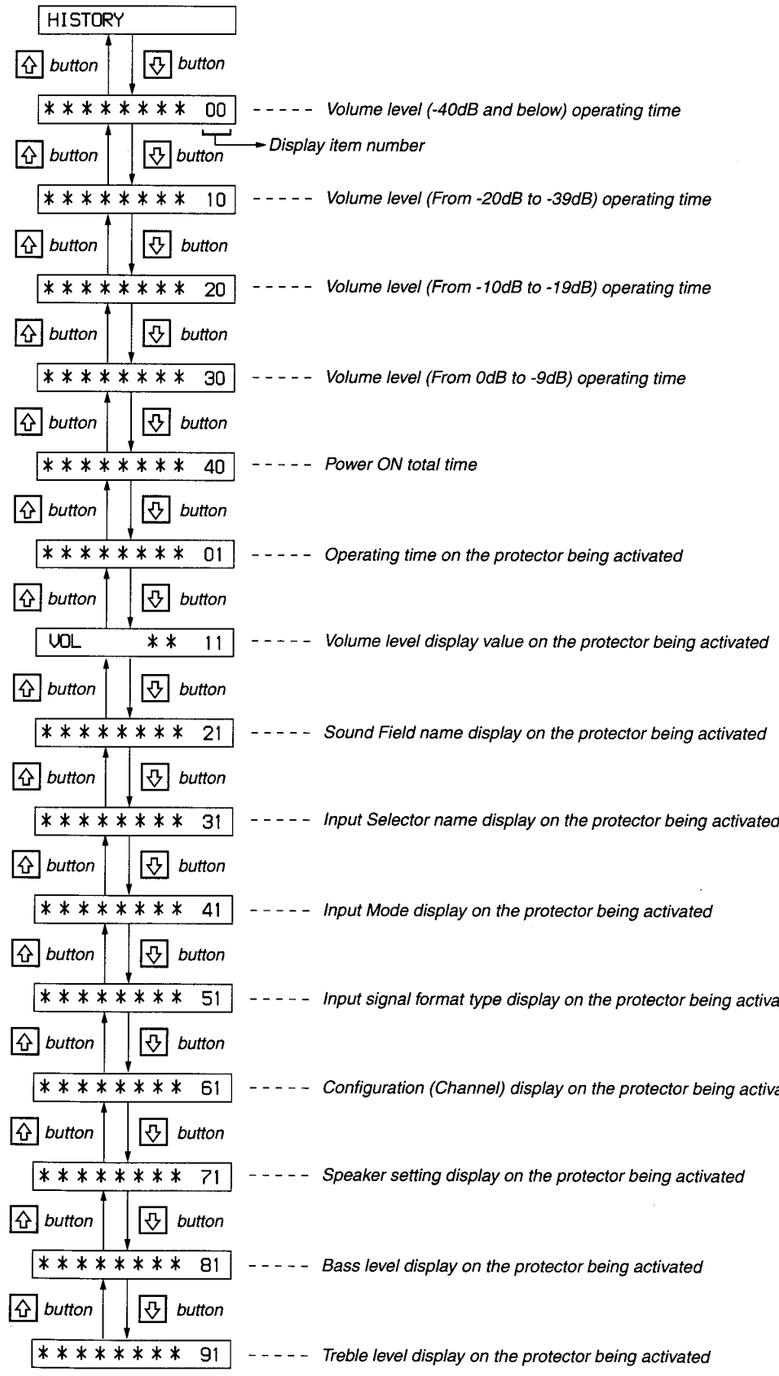
Procedure:
1. Press the [POWER] to turn the set off.
2. To enter the test mode, while pressing the two buttons [INPUT MODE] and [MULTI CH IN], press [POWER] button.
3. The message " SWAPMODE " is displayed.
4. The L/R channel signals output from all of the speakers.
5. In this mode, every time pressing [PRESET +] button, VOLUME LEVEL changes.



6. To exit from this mode, press the [POWER] button to turn the set off.

[HISTORY MODE]
Display of the internal information on the protector being activated.
(SF, Volume level value, Tone setting, Operating time)

Procedure:
1. Press the [POWER] button to turn the set off.
2. To enter the test mode, while pressing the two buttons [INPUT MODE] and [SURR BACK DECODING], press [POWER] button.
3. Select the display contents with cursor [△/▽] buttons on the remote commander.
   Note: In case of pressing buttons except for cursor [△/▽] buttons, the Test Mode is released.


HISTORY
△ button
▽ button
******** 00
----- Volume level (-40dB and below) operating time
Display item number
******** 10
----- Volume level (From -20dB to -39dB) operating time
******** 20
----- Volume level (From -10dB to -19dB) operating time
******** 30
----- Volume level (From 0dB to -9dB) operating time
******** 40
----- Power ON total time
******** 01
----- Operating time on the protector being activated
VOL ** 11
----- Volume level display value on the protector being activated
******** 21
----- Sound Field name display on the protector being activated
******** 31
----- Input Selector name display on the protector being activated
******** 41
----- Input Mode display on the protector being activated
******** 51
----- Input signal format type display on the protector being activated
******** 61
----- Configuration (Channel) display on the protector being activated
******** 71
----- Speaker setting display on the protector being activated
******** 81
----- Bass level display on the protector being activated
******** 91
----- Treble level display on the protector being activated

**—* : Each data display or numerical value.
Operating time display : Display in units of 5 minutes (Unit: Minutes)
(Ex.: 27 minutes - "25", 10 minutes - "10", 38 minutes - "35", 20 hours - "1200",
1 year - "525600", 5 years - "2628000"

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(Display example on the protector being activated.)

- **Item Number 01:**

25 01	------	*On 27 minutes operating time*

Operating Time — *Item Number*

- **Item Number 11:**

VOL 25 11	------	*Volume level "25" display*

- **Item Number 21:**

DOLBY PL 21	------	*Sound Field name display; DOLBY PRO LOGIC*

- **Item Number 31:**

DVD 31	------	*Input selector display; DVD*

- **Item Number 41:**

AUTO IN 41	------	*In using AUTO mode*
DIGITAL 41	------	*NET MEDIA*
COAX IN 41	------	*COAX FIX*
OPT IN 41	------	*OPT FIX*
ANALOG 41	------	*ANALOG FIX*

- **Item Number 51:**

DOLBY D 51	------	*DOLBY DIGITAL signal input*

- **Item Number 61:**

3/2 +LFE 61	------	*[3/2.1] signal input*

- **Item Number 71:**

HP IN 71	------	*Headphones is inserted.*
SP ON 71	------	*Headphones is not inserted*

- **Item Number 81:**

BASS -06 81	------	*Tone Bass Level is -6dB*

- **Item Number 91:**

TREB -03 91	------	*Tone Treble Level is -3dB*

- **In case of the protector has never activated.:**

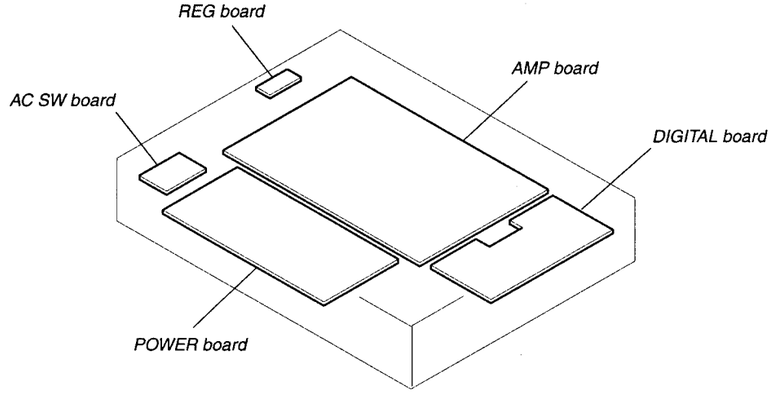
_ _ _ _ _ _ _ _ YZ	------	*All segments are "-"*

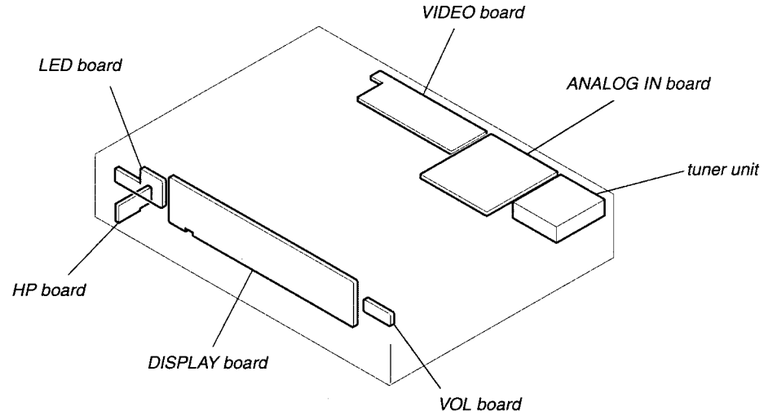
Item Number

4. To exit from this mode, press the [POWER] button to turn the set off.

SECTION 4
DIAGRAMS

- **Circuit Boards Location**





NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS
(In addition to this necessary note is printed in each block.)

Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- : B+ Line.
- : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  No mark : FM
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : VIDEO
- Abbreviation
  SP : Singapore model
  MY : Malaysia model

Note on Printed Wiring Board:

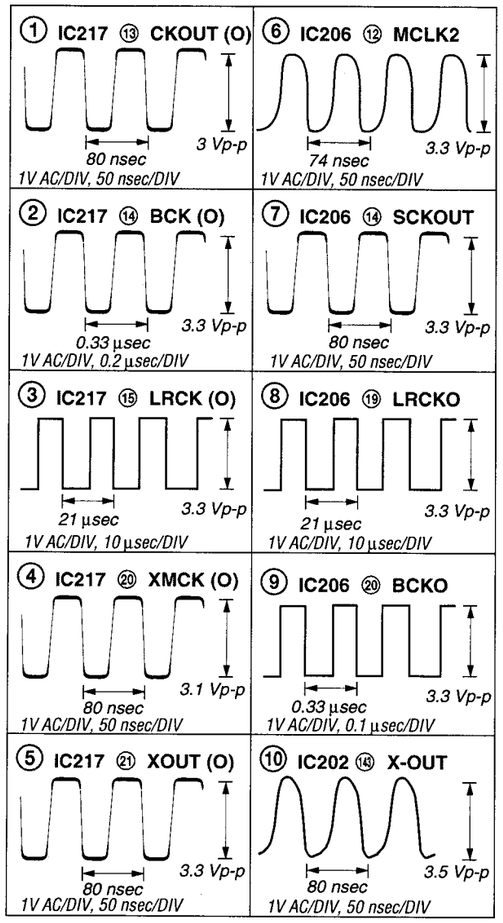
- : parts extracted from the component side.
- ○ : Through hole.
- : Pattern from the side which enables seeing.

Caution:
Pattern face side: (Side A) Parts on the parts face side seen from the parts face are indicated.
Parts face side: (Side B) Parts on the pattern face side seen from the pattern face are indicated.

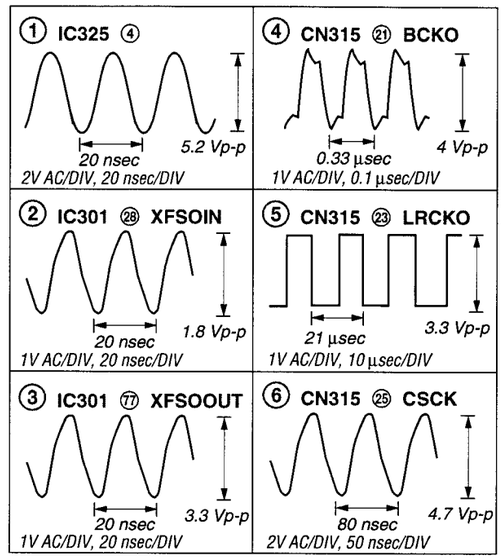
- Abbreviation
  SP : Singapore model
  MY : Malaysia model

- **Waveforms**

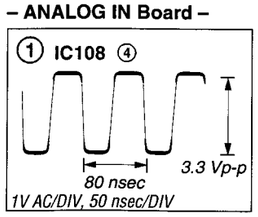
– DIGITAL Board –



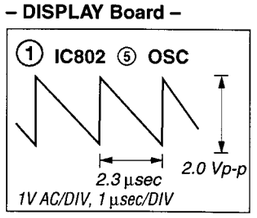
– AMP Board –



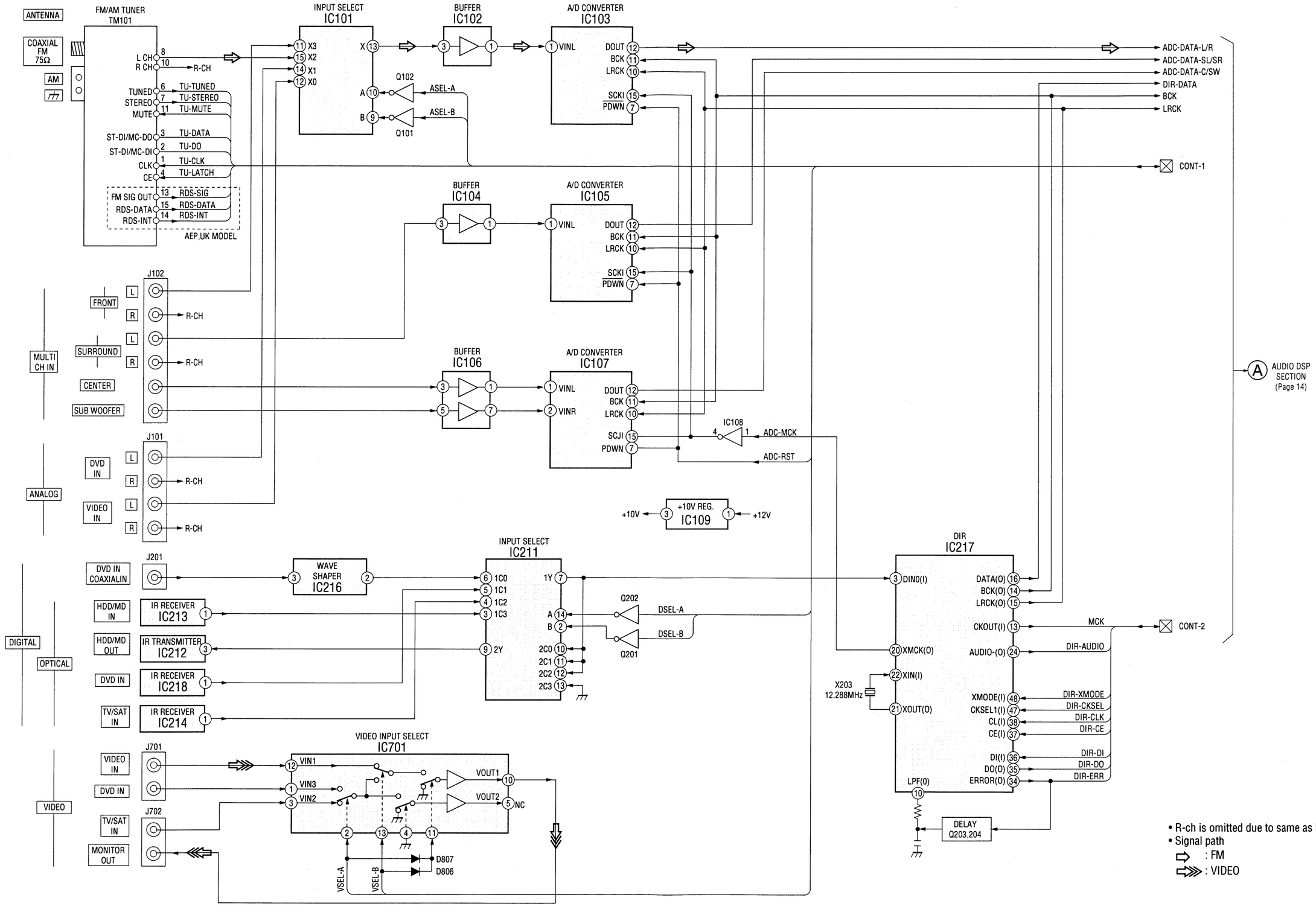
– ANALOG IN Board –



– DISPLAY Board –

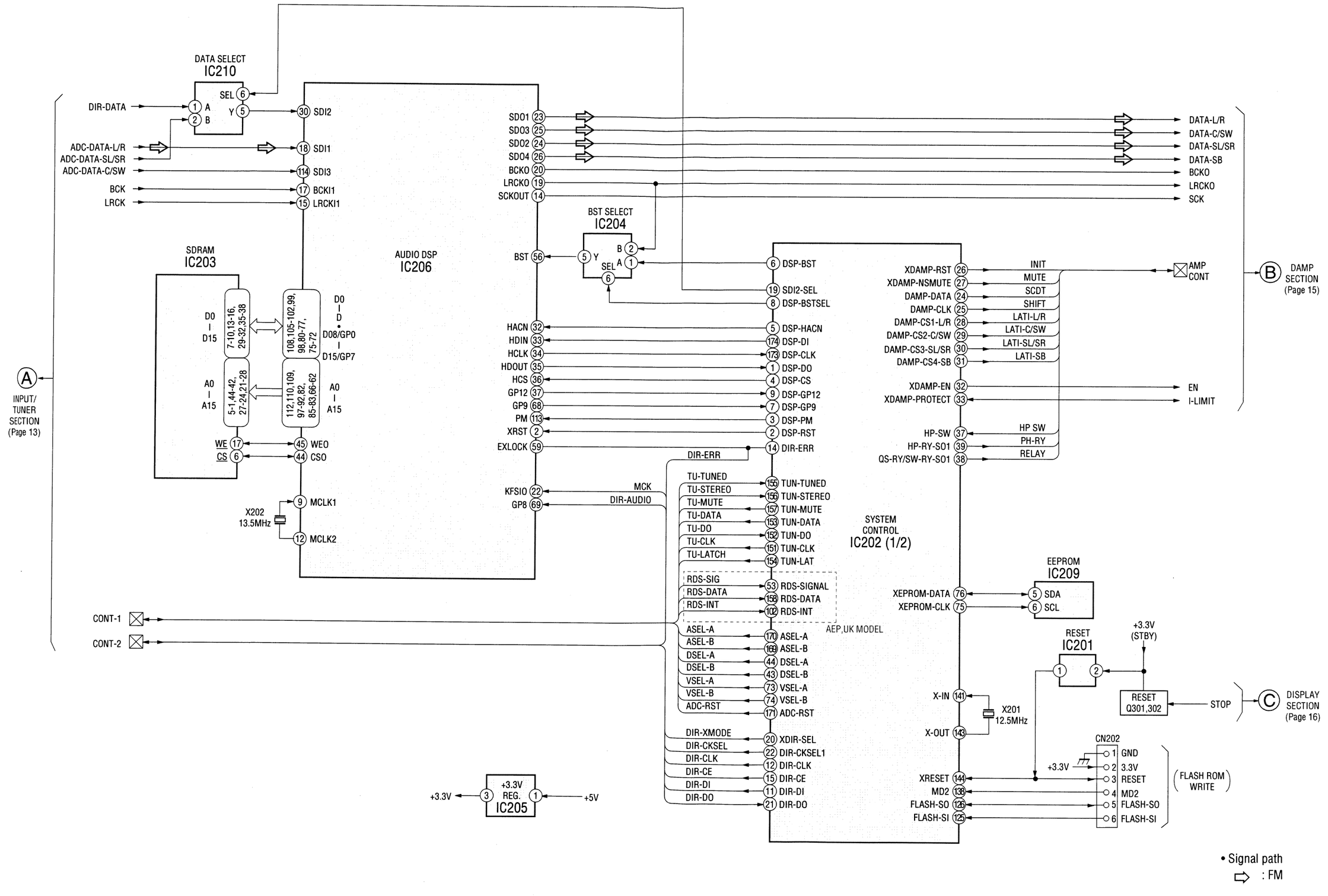


4-1. BLOCK DIAGRAM — INPUT/TUNER SECTION —

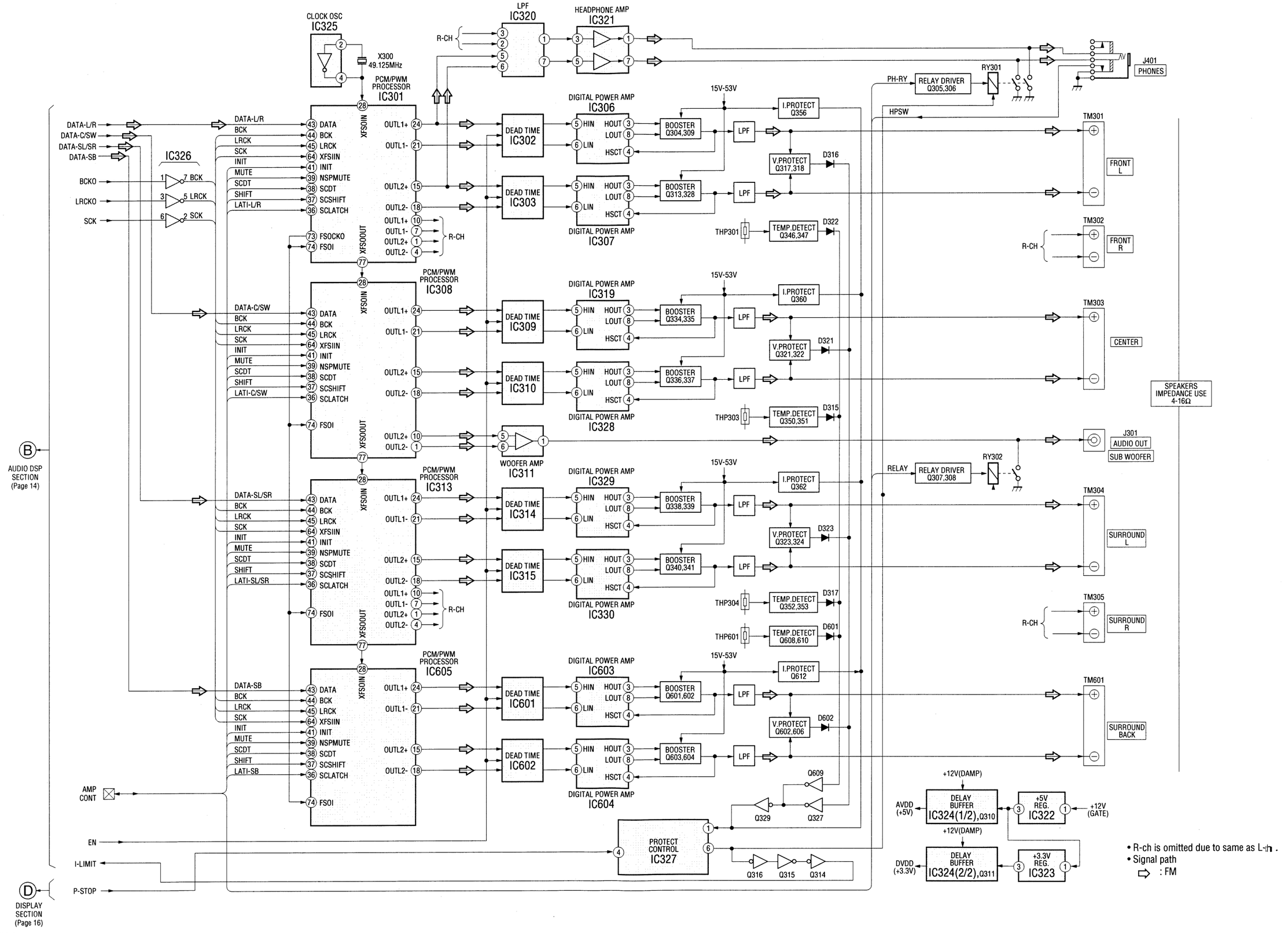


- R-ch is omitted due to same as Lch.
- Signal path
  ⇨ : FM
  ⇛ : VIDEO

4-2. BLOCK DIAGRAM — AUDIO DSP SECTION —

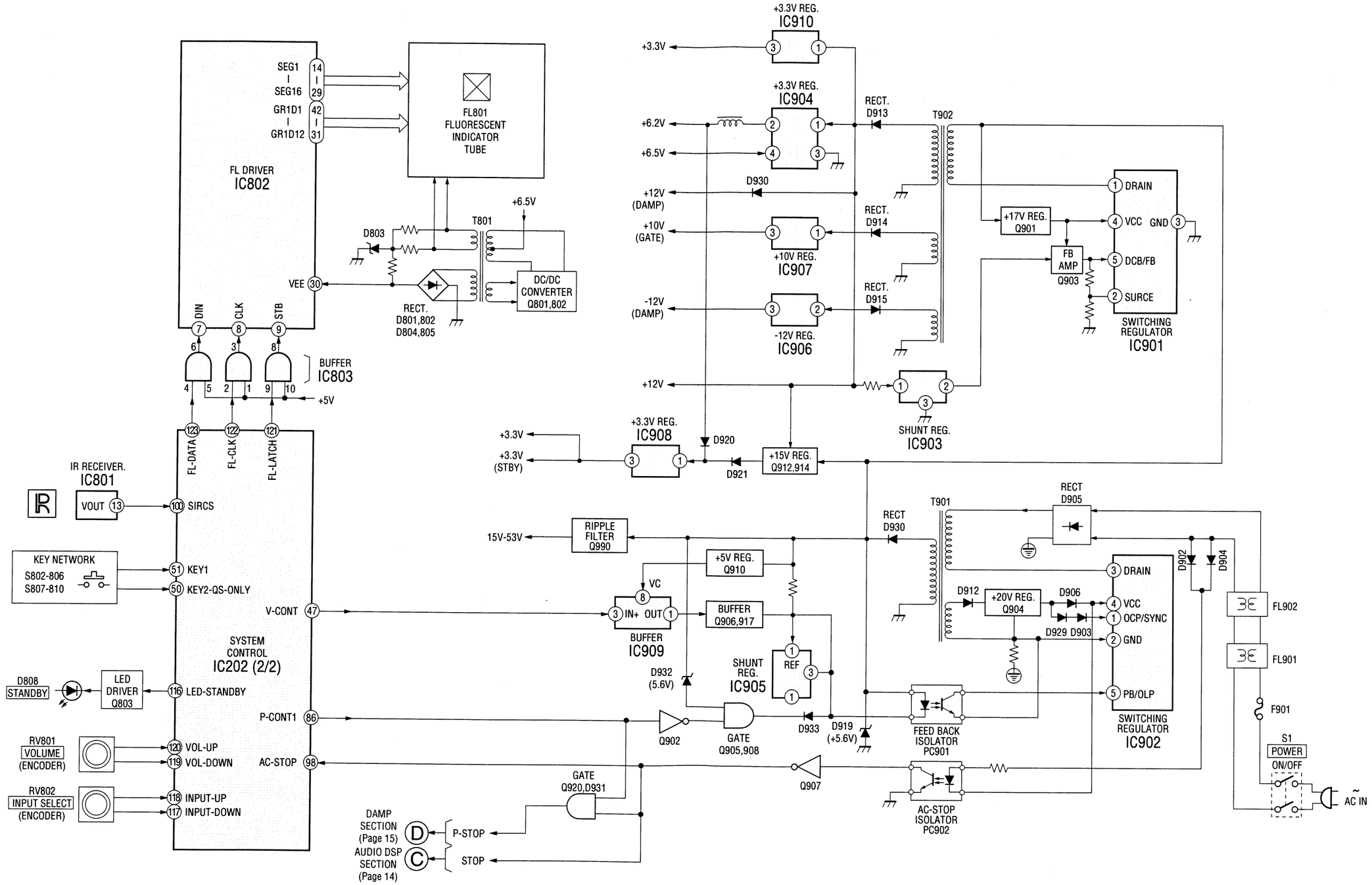


4-3. BLOCK DIAGRAM — DAMP SECTION —



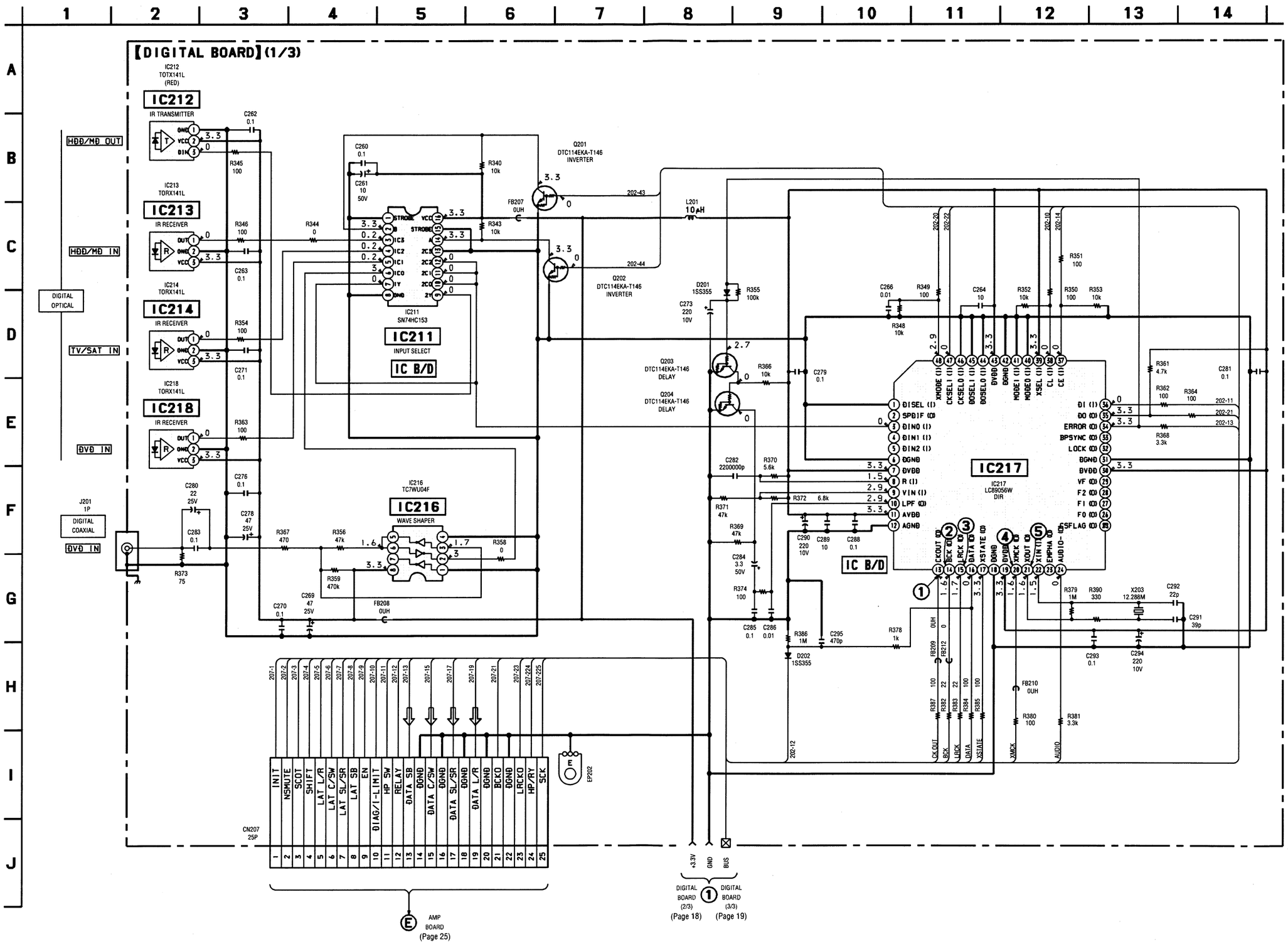
• R-ch is omitted due to same as L-ch .
• Signal path
⇨ : FM

4-4. BLOCK DIAGRAM — DISPLAY SECTION —



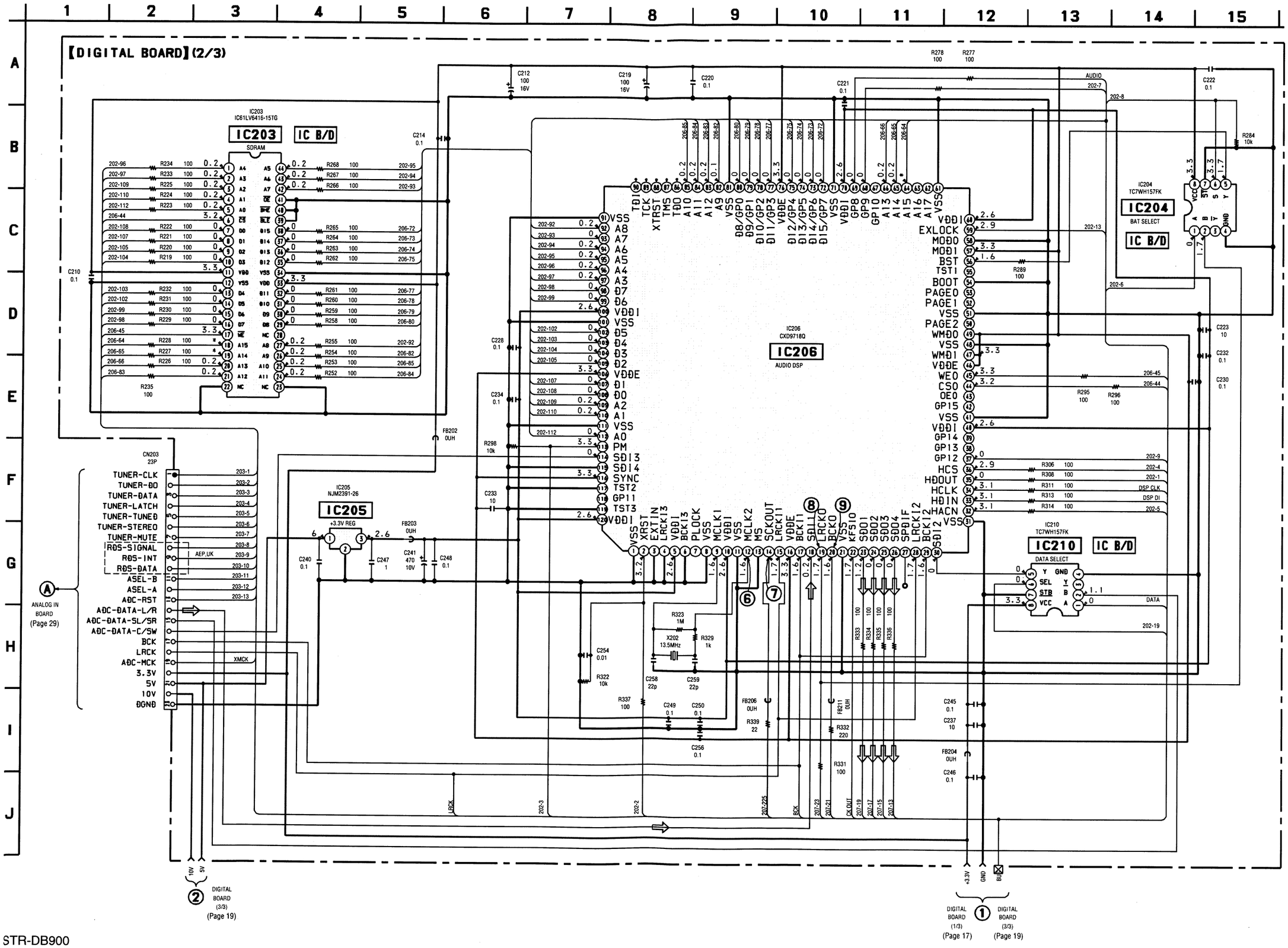
4-5. SCHEMATIC DIAGRAM — DIGITAL SECTION (1/3) —

• See page 12 for Waveforms. • See page 34 for IC Block Diagrams.



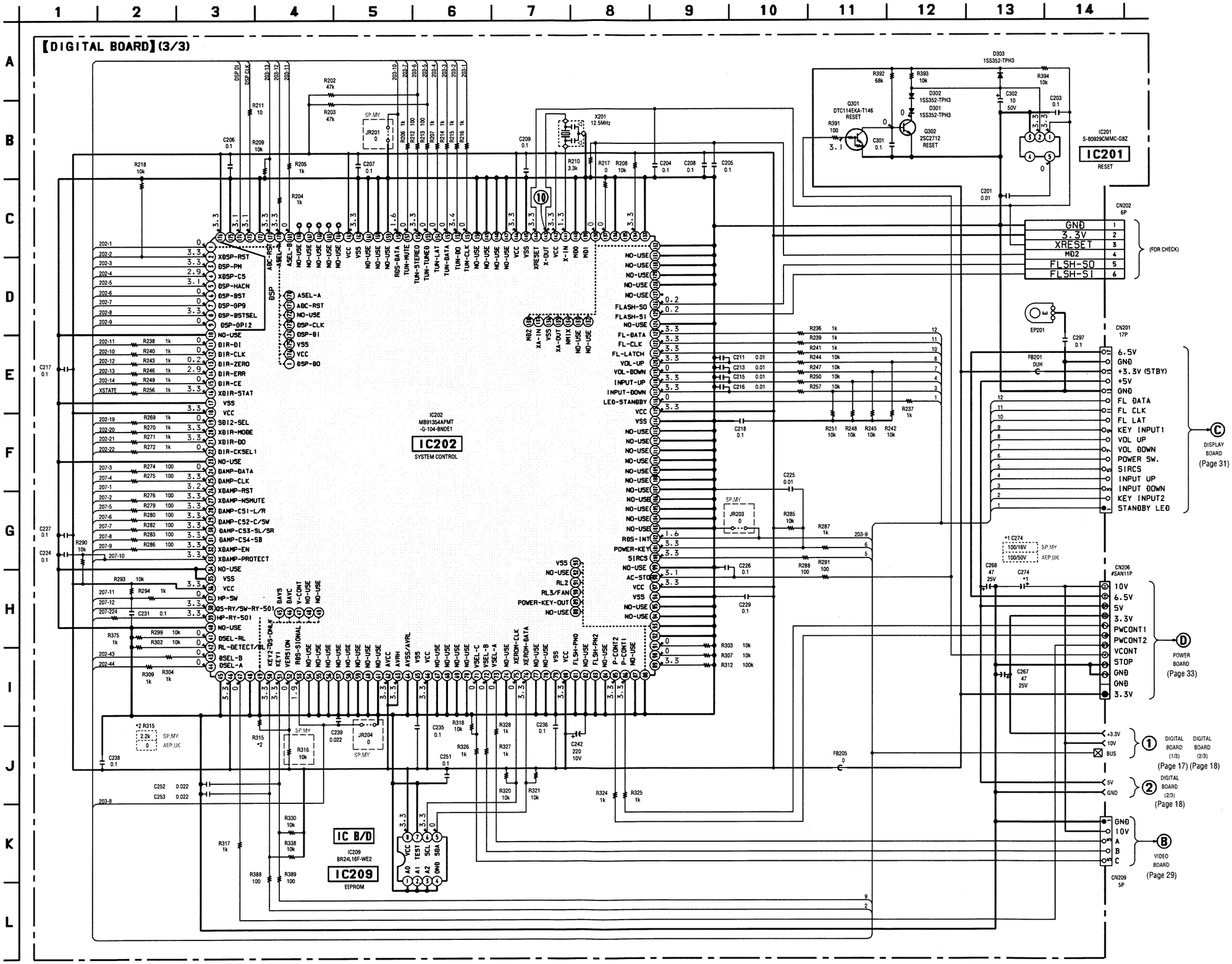
4-6. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/3) —

• See page 12 for Waveforms. • See page 34 for IC Block Diagrams. • See page 37 for IC Pin Function Description.



4-7. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/3) —

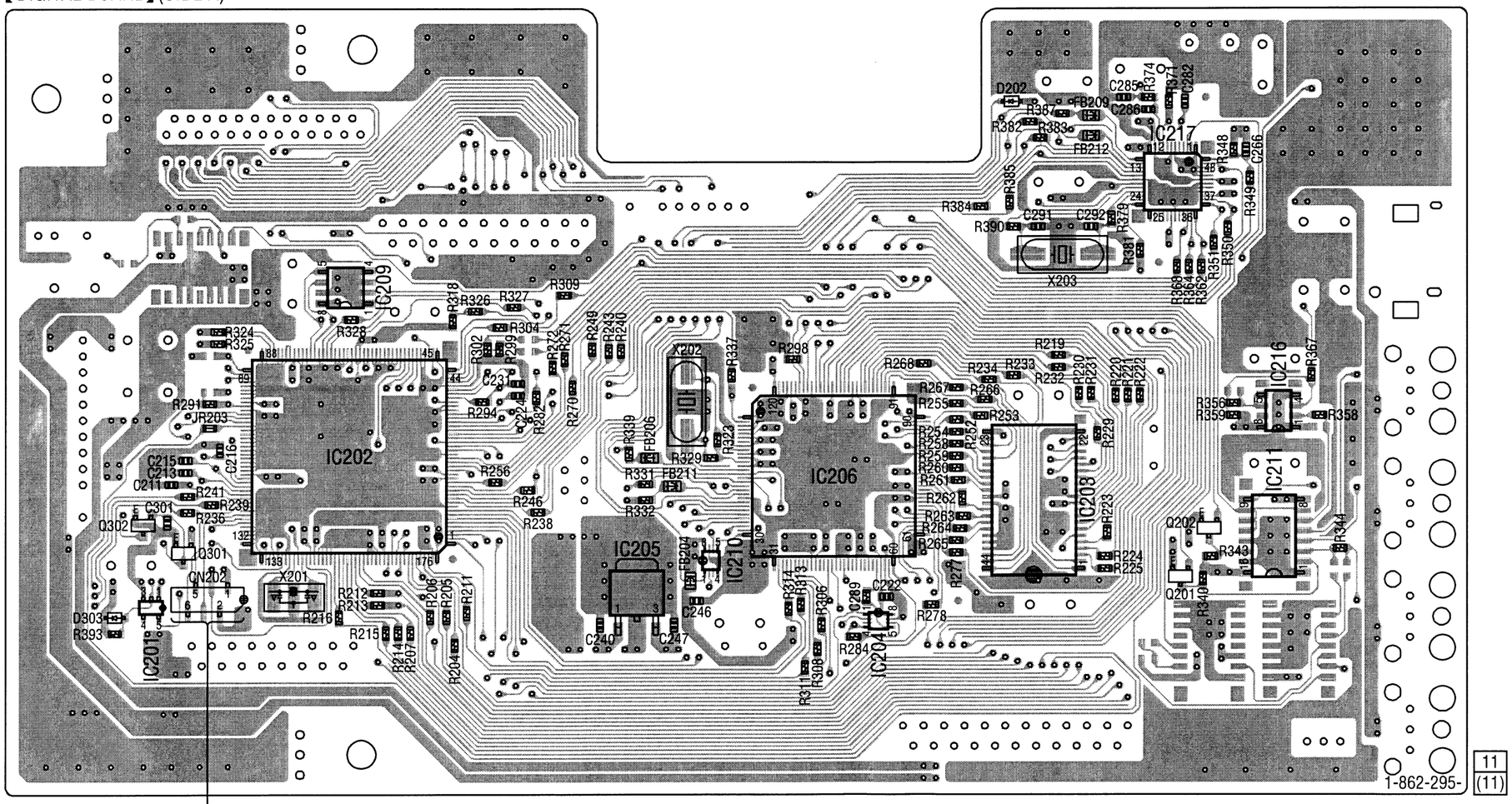
• See page 12 for Waveforms. • See page 34 for IC Block Diagrams. • See page 39 for IC Pin Function Description.



4-8. PRINTED WIRING BOARD — DIGITAL BOARD (SIDE A) —

• See page 10 for Circuit Boards Location. :Uses unleaded solder.

【DIGITAL BOARD】(SIDE A)

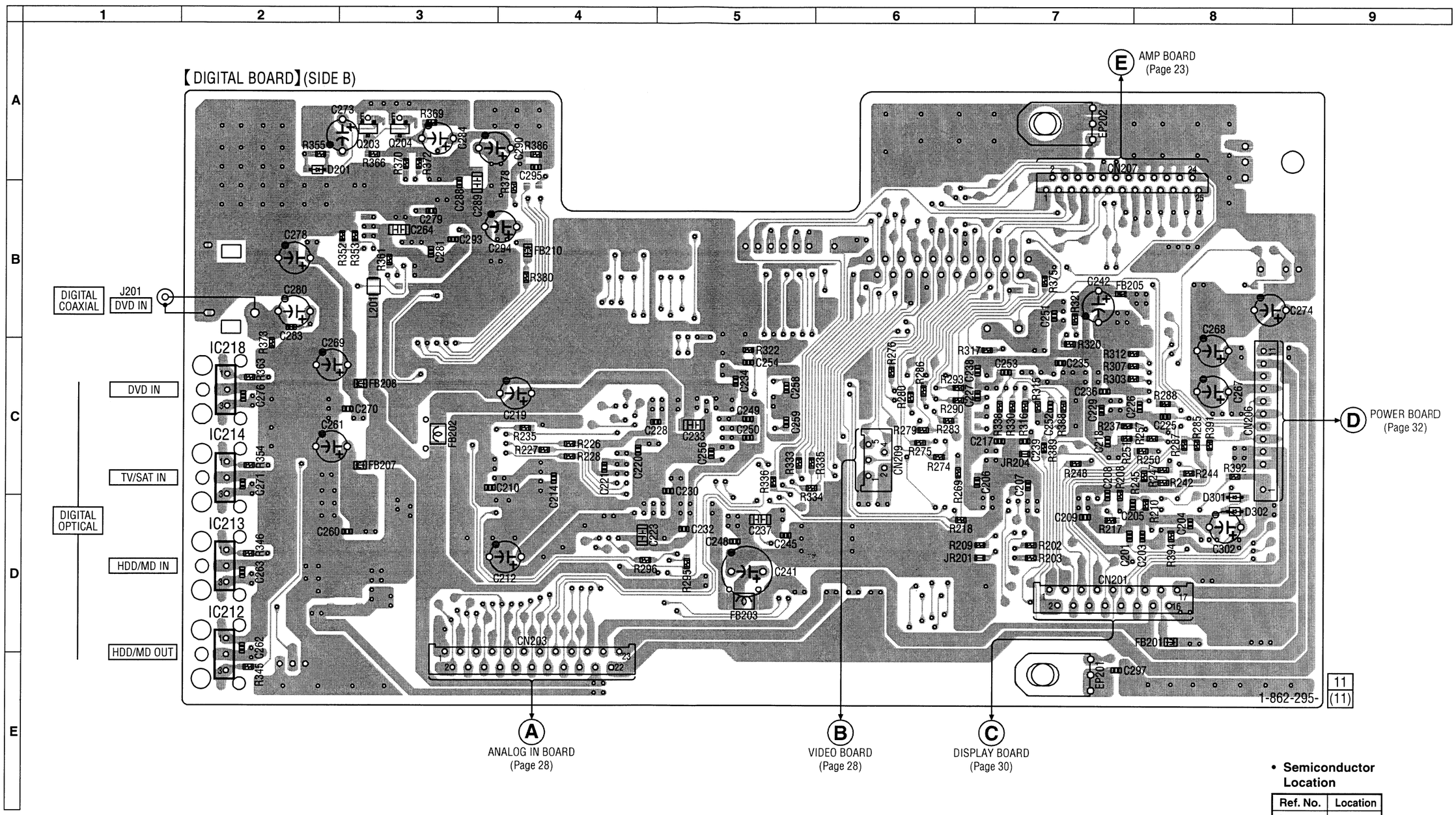


• **Semiconductor Location**

Ref. No.	Location
D202	A-6
D303	D-1
IC201	D-1
IC202	C-2
IC203	C-6
IC204	D-5
IC205	D-4
IC206	C-5
IC209	B-3
IC210	D-4
IC211	C-7
IC216	C-7
IC217	B-7
Q201	D-7
Q202	D-7
Q301	D-2
Q302	C-1

4-9. PRINTED WIRING BOARD — DIGITAL BOARD (SIDE B) —

• See page 10 for Circuit Boards Location. :Uses unleaded solder.



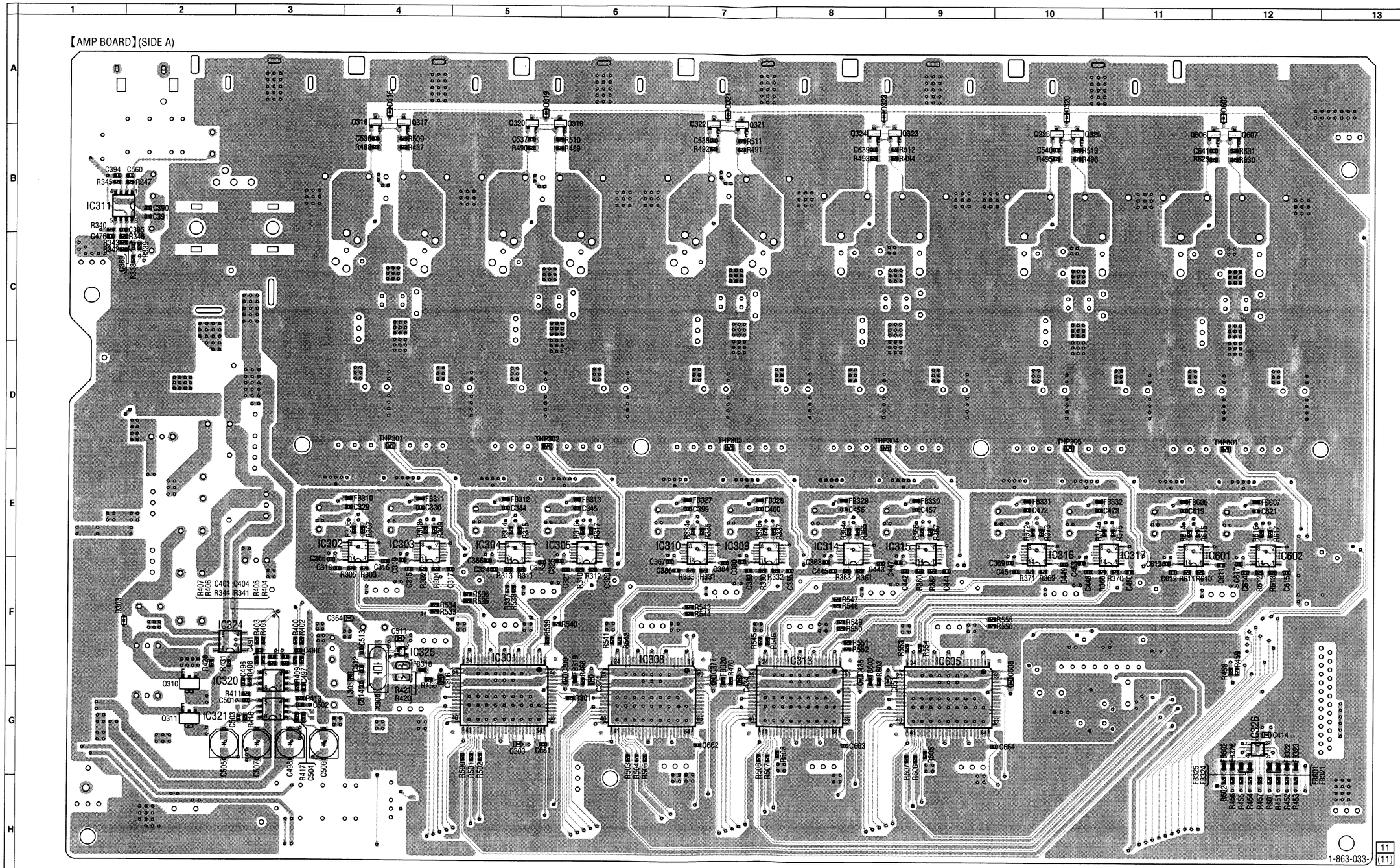
- **Semiconductor Location**

Ref. No.	Location
D201	A-2
D301	D-8
D302	D-8
IC212	D-2
IC213	D-2
IC214	C-2
IC218	C-2
Q203	A-3
Q204	A-3

4-10. PRINTED WIRING BOARD — AMP BOARD (SIDE A) —

• See page 10 for Circuit Boards Location. :Uses unleaded solder.

【AMP BOARD】(SIDE A)

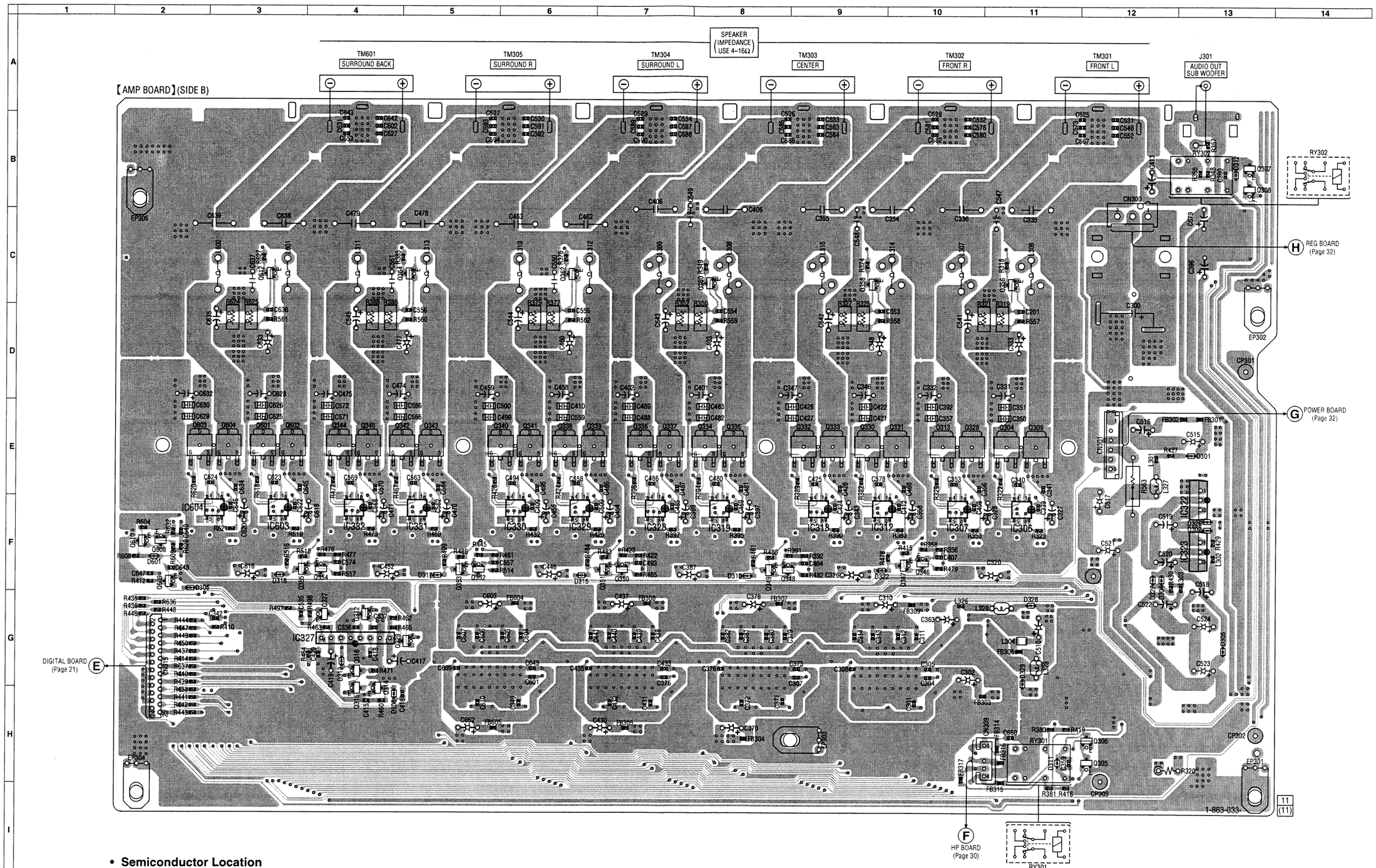


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D303	F-2	IC301	G-5	IC310	E-7	IC320	G-3	IC605	G-9	Q320	A-5	Q606	B-12
D316	A-4	IC302	E-4	IC311	B-2	IC321	G-3			Q321	A-7	Q607	B-12
D319	A-5	IC303	E-4	IC313	G-8	IC324	F-2	Q310	G-2	Q322	A-7		
D320	A-10	IC304	E-5	IC314	E-8	IC325	F-4	Q311	G-2	Q323	B-9		
D321	A-7	IC305	E-6	IC315	E-9	IC326	G-12	Q317	A-4	Q324	B-8		
D323	A-8	IC308	G-6	IC316	E-10	IC601	E-11	Q318	A-4	Q325	B-10		
D602	A-12	IC309	E-7	IC317	E-11	IC602	E-12	Q319	A-5	Q326	B-10		

4-11. PRINTED WIRING BOARD — AMP BOARD (SIDE B) —

• See page 10 for Circuit Boards Location. :Uses unleaded solder.

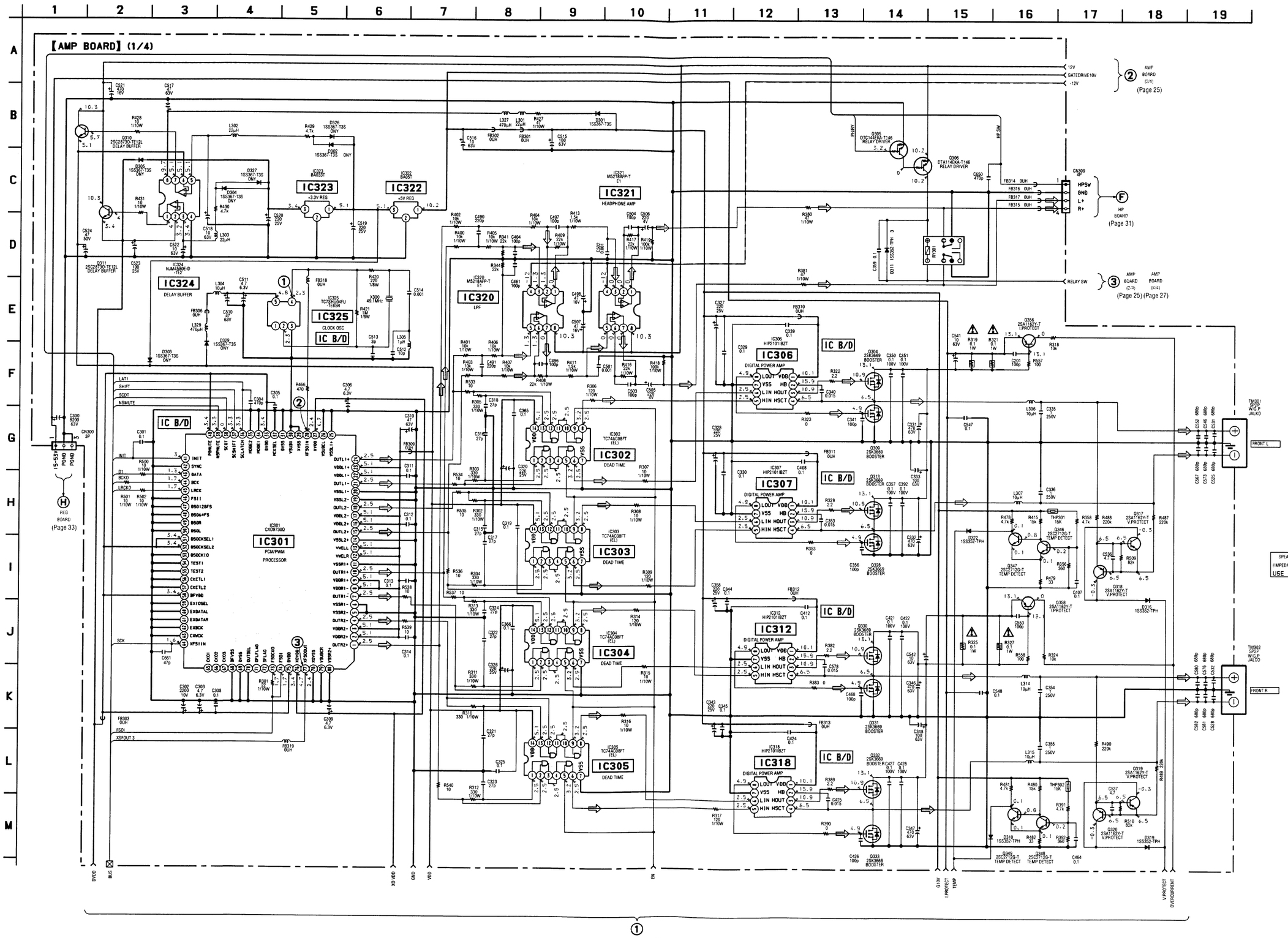


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D301	E-13	D313	G-4	D601	F-2	IC327	G-4	Q304	E-11	Q315	H-4	Q334	E-8	Q343	E-5	Q352	F-5	Q601	E-3
D302	F-13	D315	F-6			IC328	F-7	Q305	H-12	Q316	G-4	Q335	E-8	Q344	E-4	Q353	F-5	Q602	E-3
D304	F-12	D317	F-5	IC306	F-11	IC329	F-6	Q306	H-12	Q327	G-4	Q336	E-7	Q345	E-4	Q354	F-4	Q603	E-2
D305	G-13	D318	F-3	IC307	F-10	IC330	F-6	Q307	B-13	Q328	E-10	Q337	E-7	Q346	F-10	Q355	F-3	Q604	E-3
D306	F-2	D322	F-9	IC312	F-9	IC331	F-5	Q308	B-13	Q329	G-5	Q338	E-6	Q347	F-10	Q356	C-11	Q608	F-2
D308	H-4	D326	F-13	IC318	F-9	IC332	F-4	Q309	E-11	Q330	E-9	Q339	E-6	Q348	F-9	Q358	C-9	Q609	F-2
D310	F-8	D327	F-12	IC319	F-8	IC603	F-3	Q312	G-4	Q331	E-10	Q340	E-6	Q349	F-8	Q360	C-8	Q610	F-2
D311	H-11	D328	G-11	IC322	F-13	IC604	F-3	Q313	E-10	Q332	E-9	Q341	E-6	Q350	F-7	Q362	C-6	Q612	C-3
D312	B-13	D329	G-11	IC323	F-13			Q314	H-4	Q333	E-9	Q342	E-5	Q351	F-7	Q364	C-5		

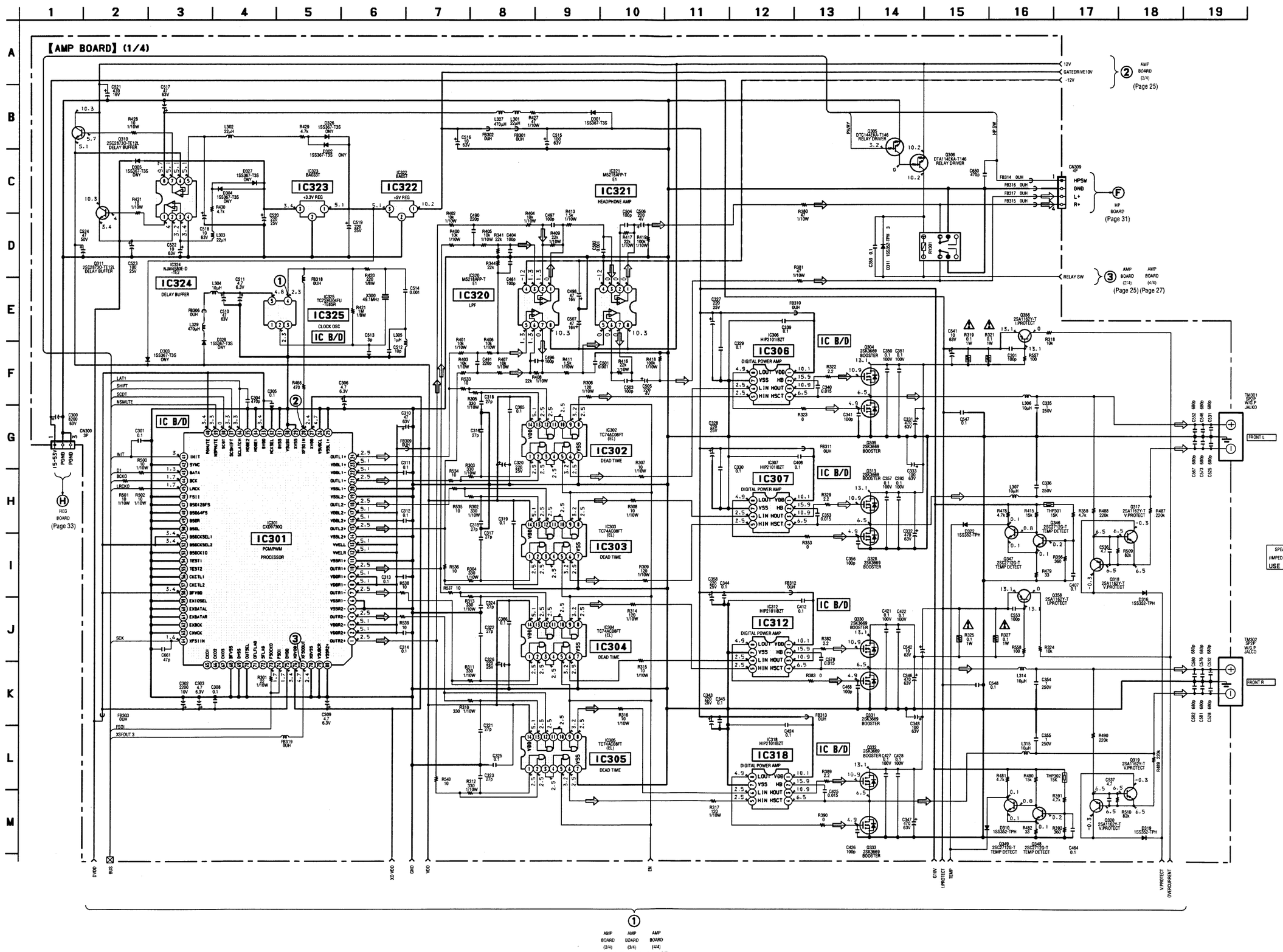
4-12. SCHEMATIC DIAGRAM — AMP BOARD (1/4) —

• See page 12 for Waveforms. • See page 34, 35 for IC Block Diagrams.



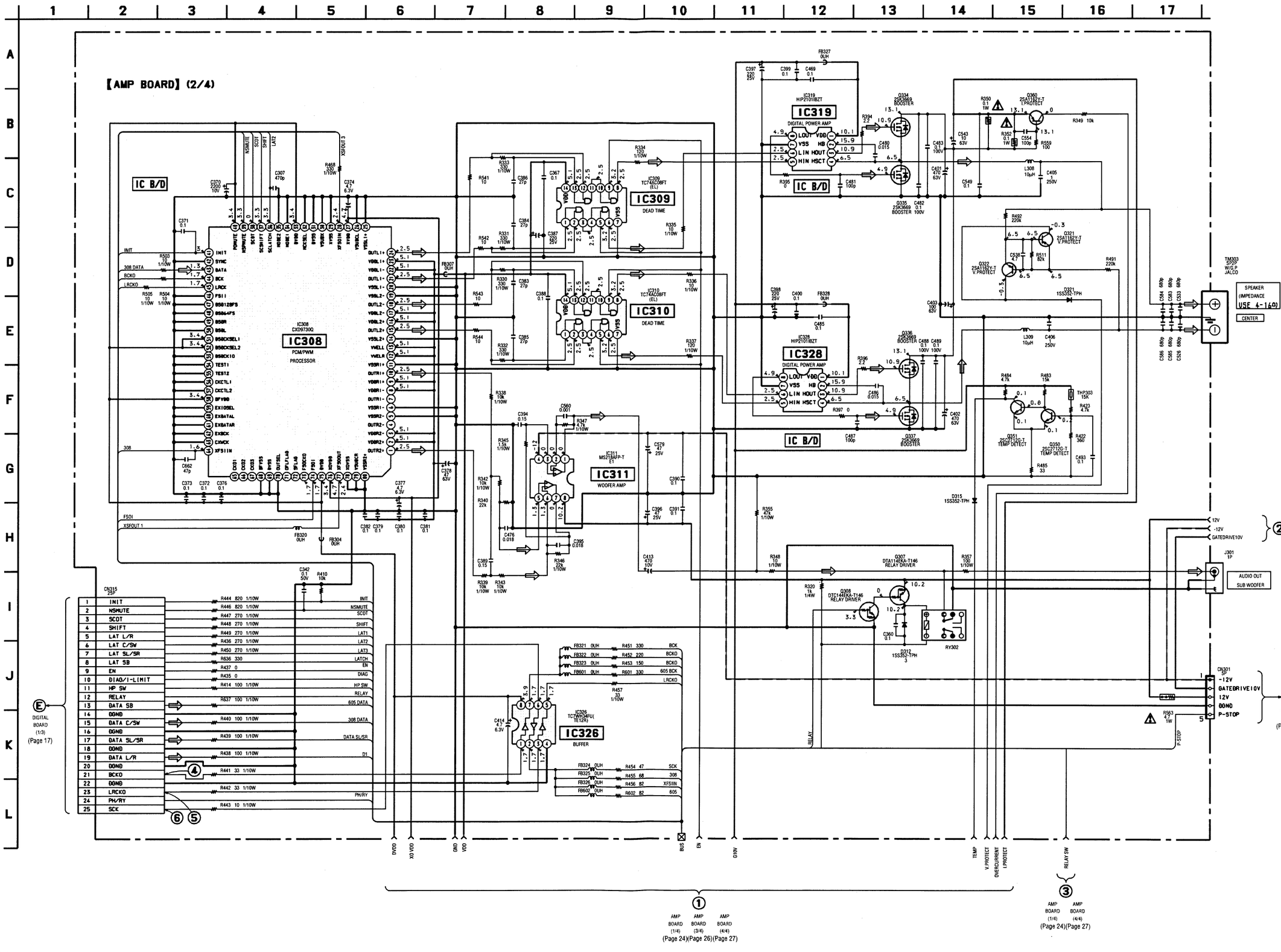
4-12. SCHEMATIC DIAGRAM — AMP BOARD (1/4) —

• See page 12 for Waveforms. • See page 34, 35 for IC Block Diagrams.



4-13. SCHEMATIC DIAGRAM — AMP BOARD (2/4) —

• See page 12 for Waveforms. • See page 34, 35 for IC Block Diagrams.



4-14. SCHEMATIC DIAGRAM — AMP BOARD (3/4) —

• See page 34, 35 for IC Block Diagrams.

【AMP BOARD】(3/4)

IC313 CX09730 PCM/PWM PROCESSOR

IC314 TC74AC08FT (EL) DEAD TIME

IC315 TC74AC08FT (EL) DEAD TIME

IC316 TC74AC08FT (EL) DEAD TIME

IC317 TC74AC08FT (EL) DEAD TIME

IC329 HIP2101IBZT DIGITAL POWER AMP

IC330 HIP2101IBZT DIGITAL POWER AMP

IC331 HIP2101IBZT DIGITAL POWER AMP

IC332 HIP2101IBZT DIGITAL POWER AMP

IC B/D

SURROUND L

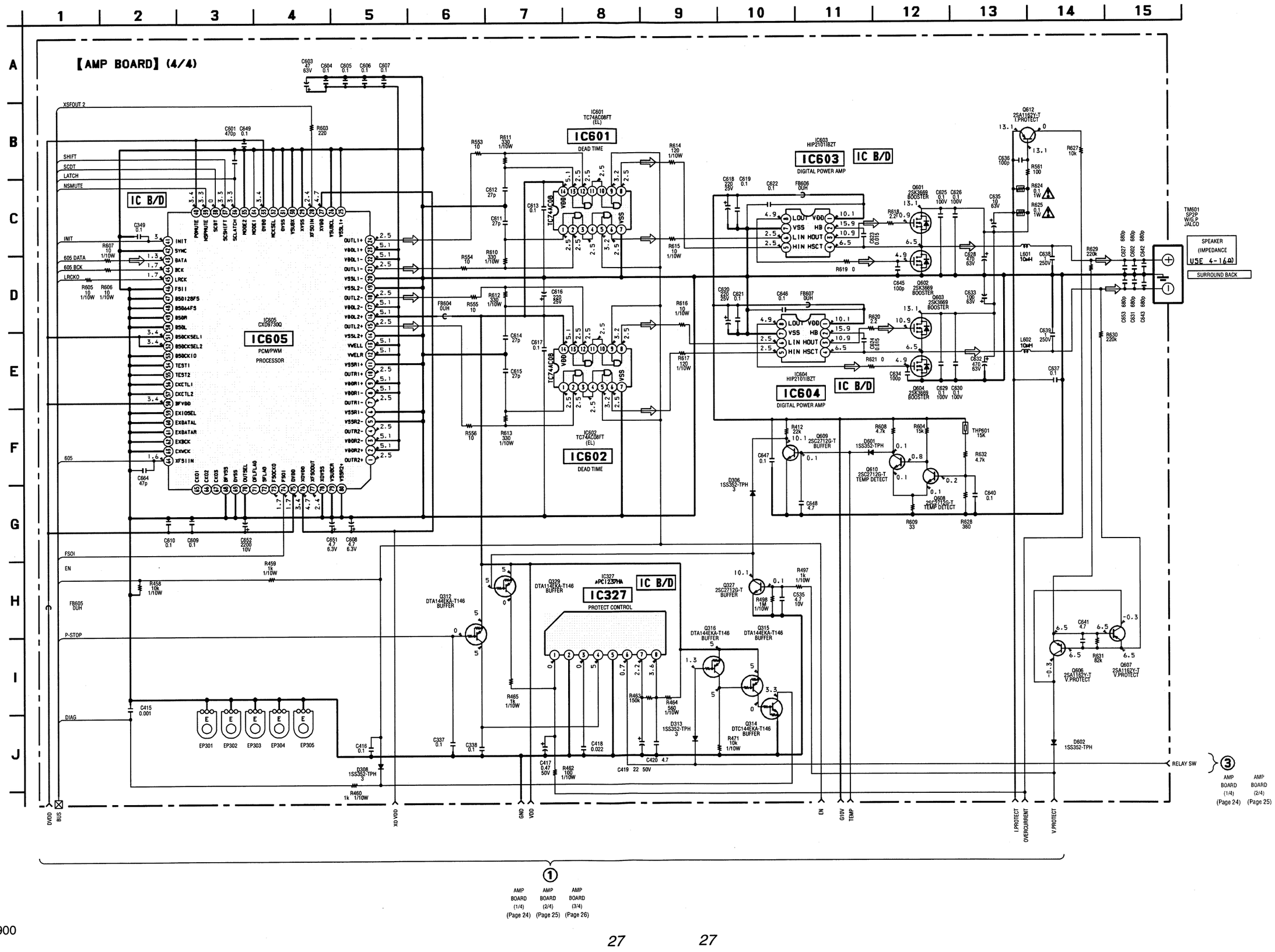
SURROUND R

SPEAKER (IMPEDANCE USE 4-16Ω)

① AMP BOARD (1/4) (Page 24) AMP BOARD (2/4) (Page 25) AMP BOARD (4/4) (Page 27)

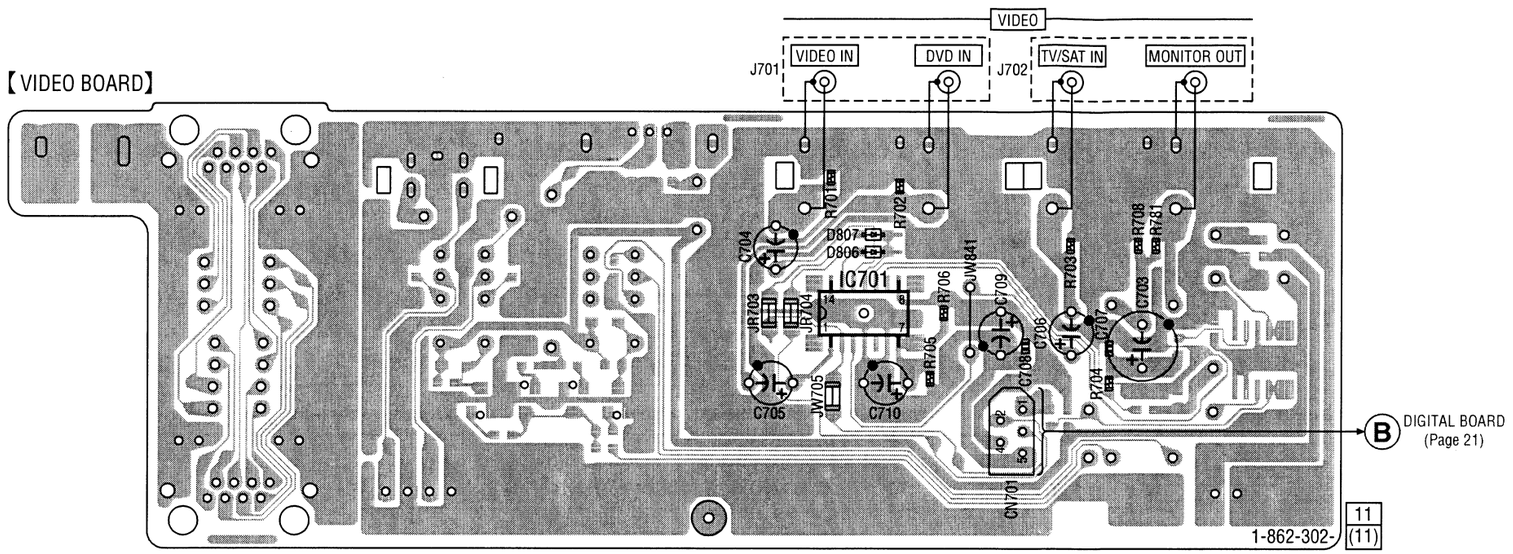
4-14. SCHEMATIC DIAGRAM — AMP BOARD (4/4) —

• See page 34, 35 for IC Block Diagrams.

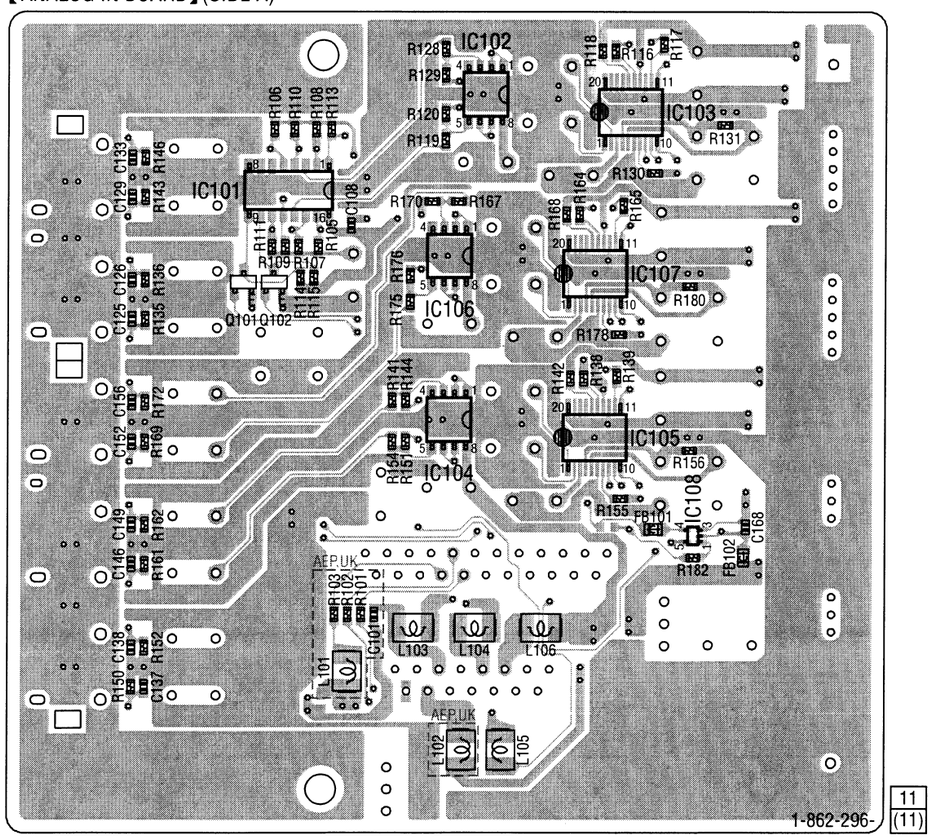


4-15. PRINTED WIRING BOARD — VIDEO, ANALOG IN BOARD — • See page 10 for Circuit Boards Location. :Uses unleaded solder.

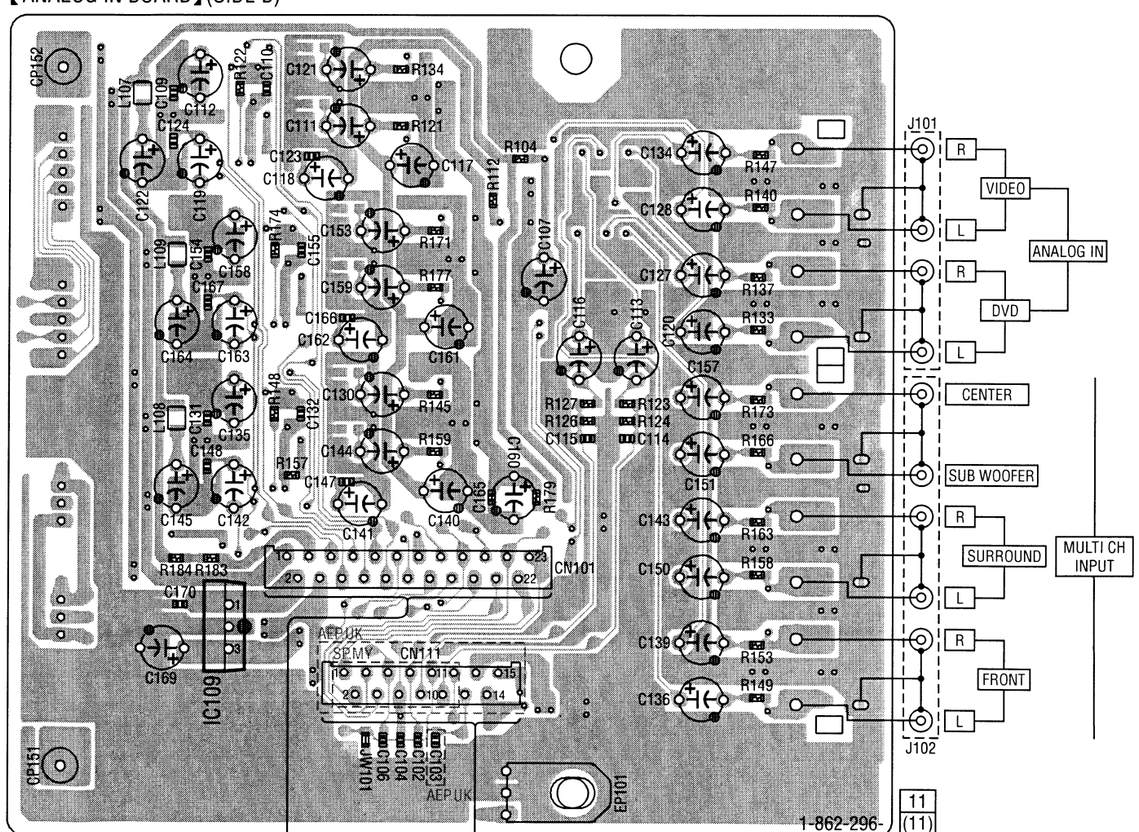
【VIDEO BOARD】



【ANALOG IN BOARD】(SIDE A)



【ANALOG IN BOARD】(SIDE B)

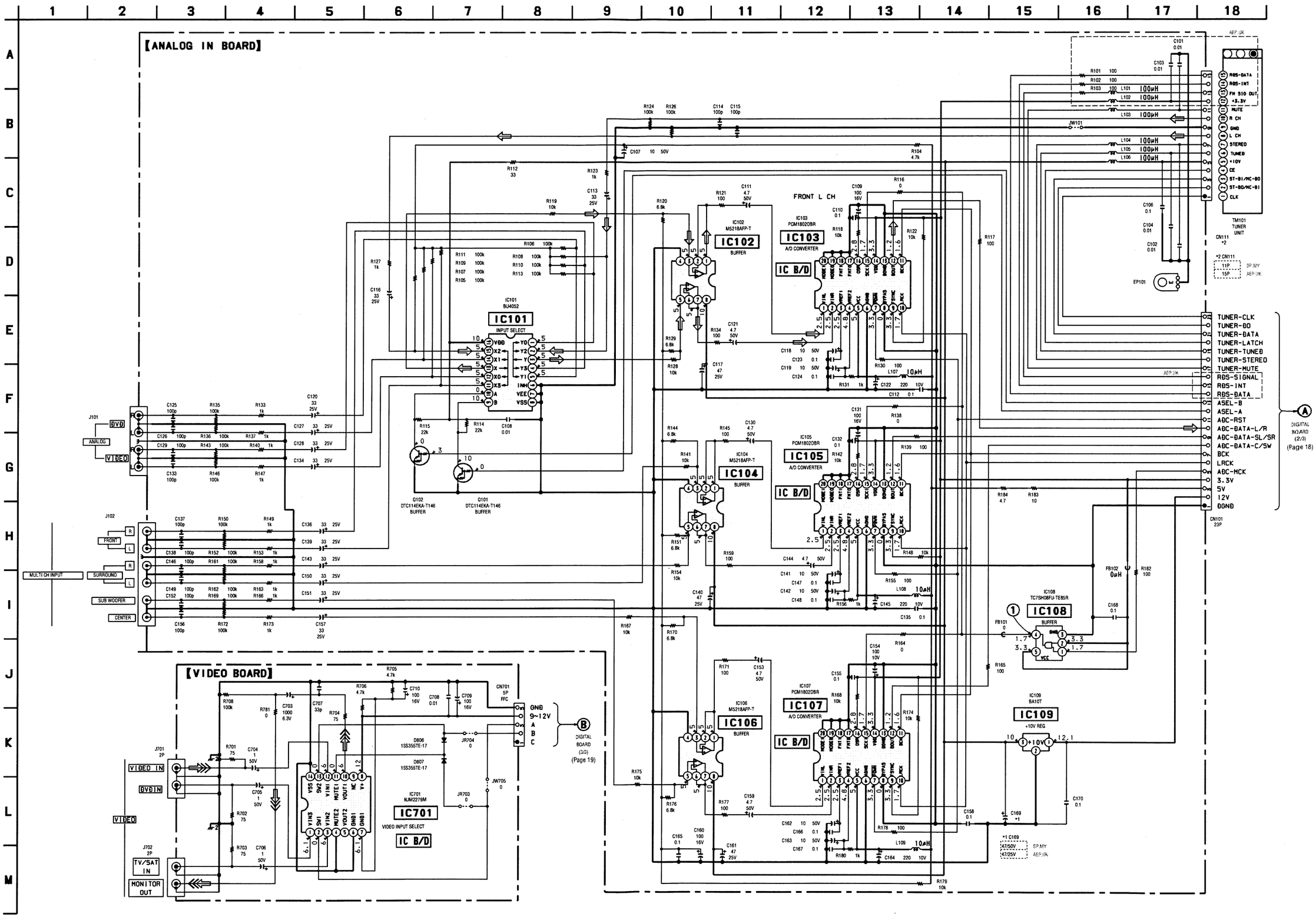


• **Semiconductor Location**

Ref. No.	Location
D806	B-5
D807	B-5
IC101	D-2
IC102	D-3
IC103	D-4
IC104	E-3
IC105	E-4
IC106	D-3
IC107	D-4
IC108	F-4
IC109	F-6
IC701	B-5
Q101	E-2
Q102	E-2

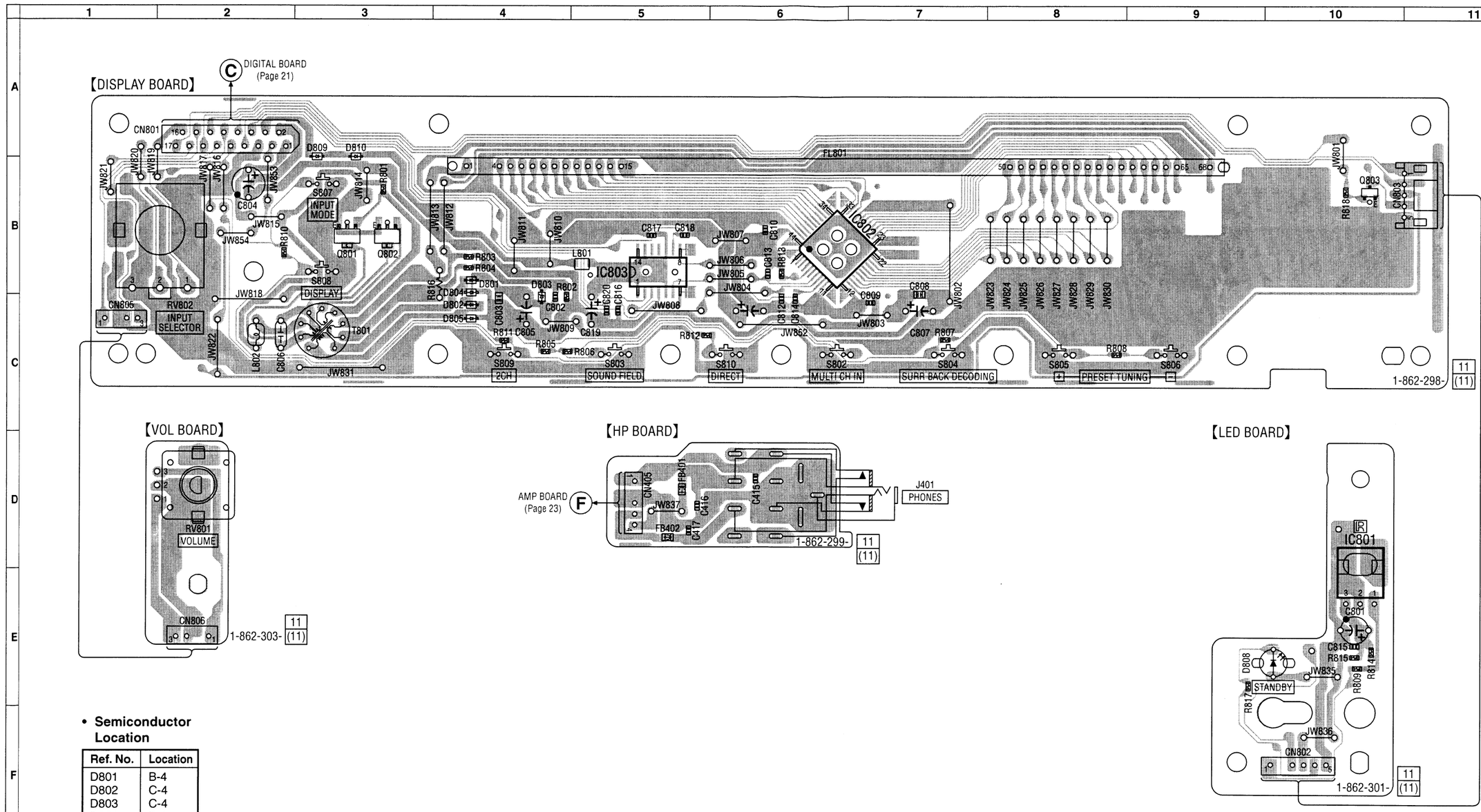
4-16. SCHEMATIC DIAGRAM — VIDEO, ANALOG IN BOARD —

• See page 12 for Waveform. • See page 36 for IC Block Diagrams.



4-17. PRINTED WIRING BOARD — DISPLAY SECTION —

• See page 10 for Circuit Boards Location. :Uses unleaded solder.

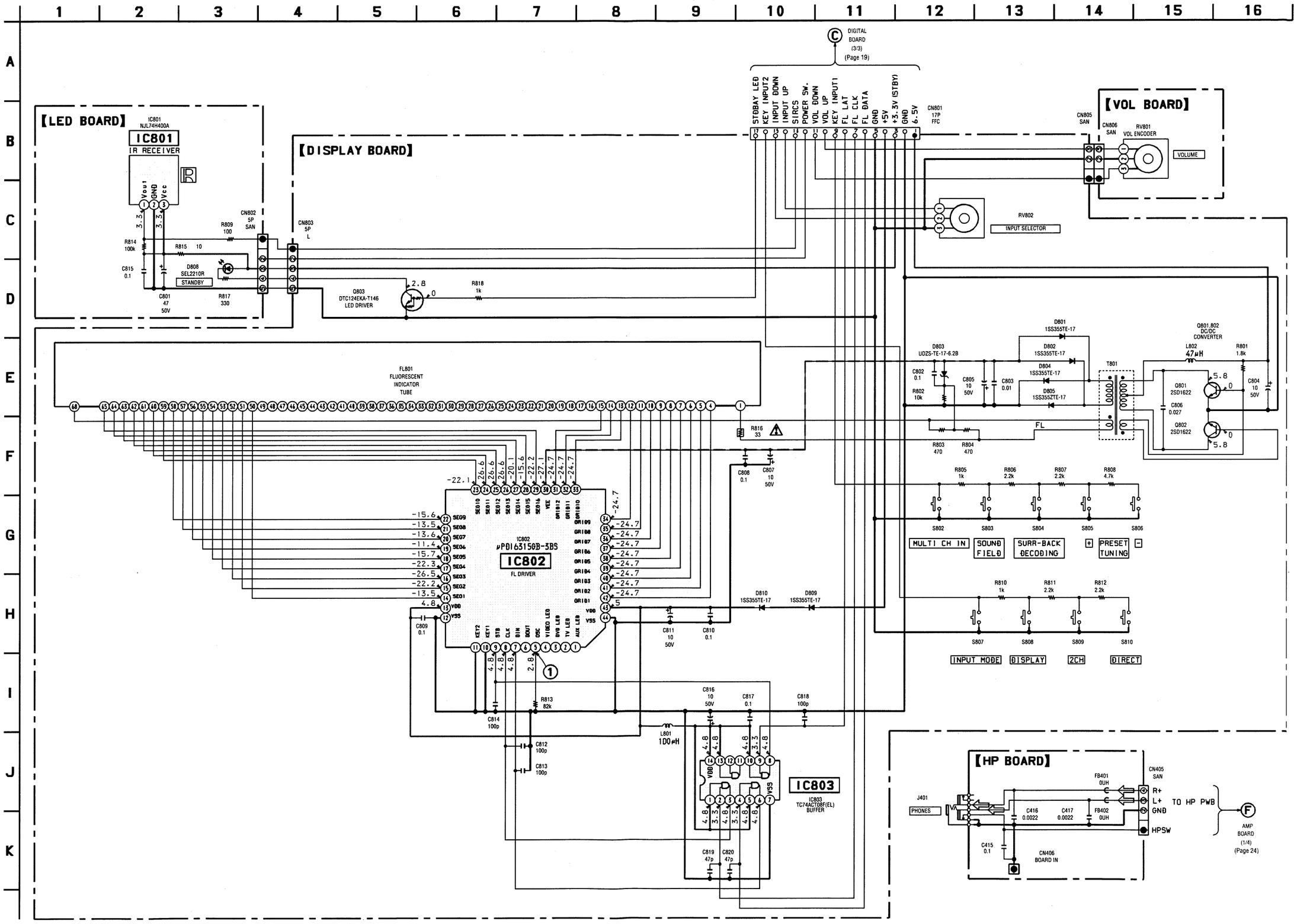


- **Semiconductor Location**

Ref. No.	Location
D801	B-4
D802	C-4
D803	C-4
D804	B-4
D805	C-4
D808	E-10
D809	A-3
D810	A-3
IC801	E-10
IC802	B-6
IC803	B-5
Q801	B-3
Q802	B-3
Q803	B-10

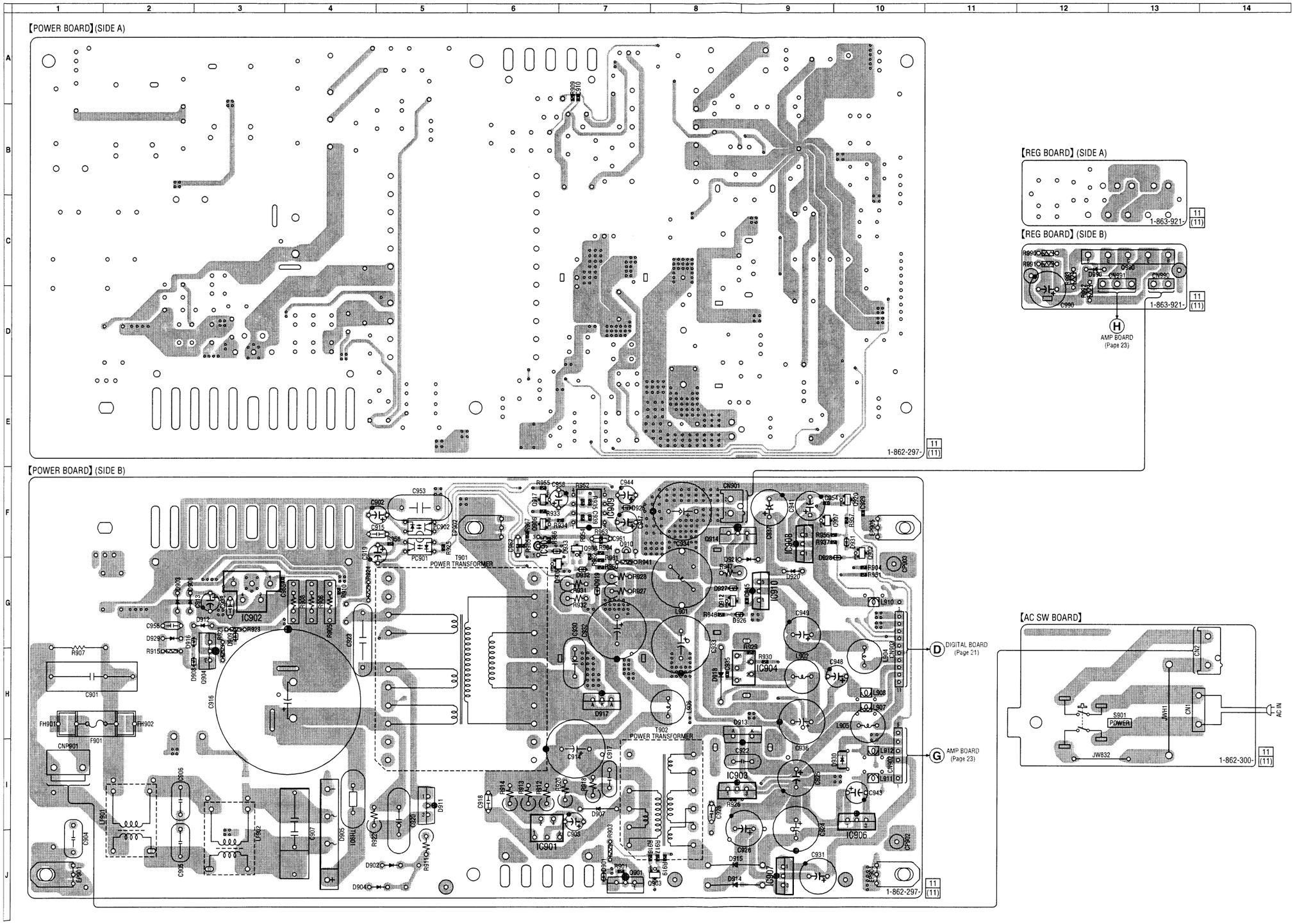
4-18. SCHEMATIC DIAGRAM — DISPLAY SECTION —

• See page 12 for Waveform. • See page 42 for IC Pin Function Description.



4-19. PRINTED WIRING BOARD — POWER SECTION —

• See page 10 for Circuit Boards Location. :Uses unleaded solder.

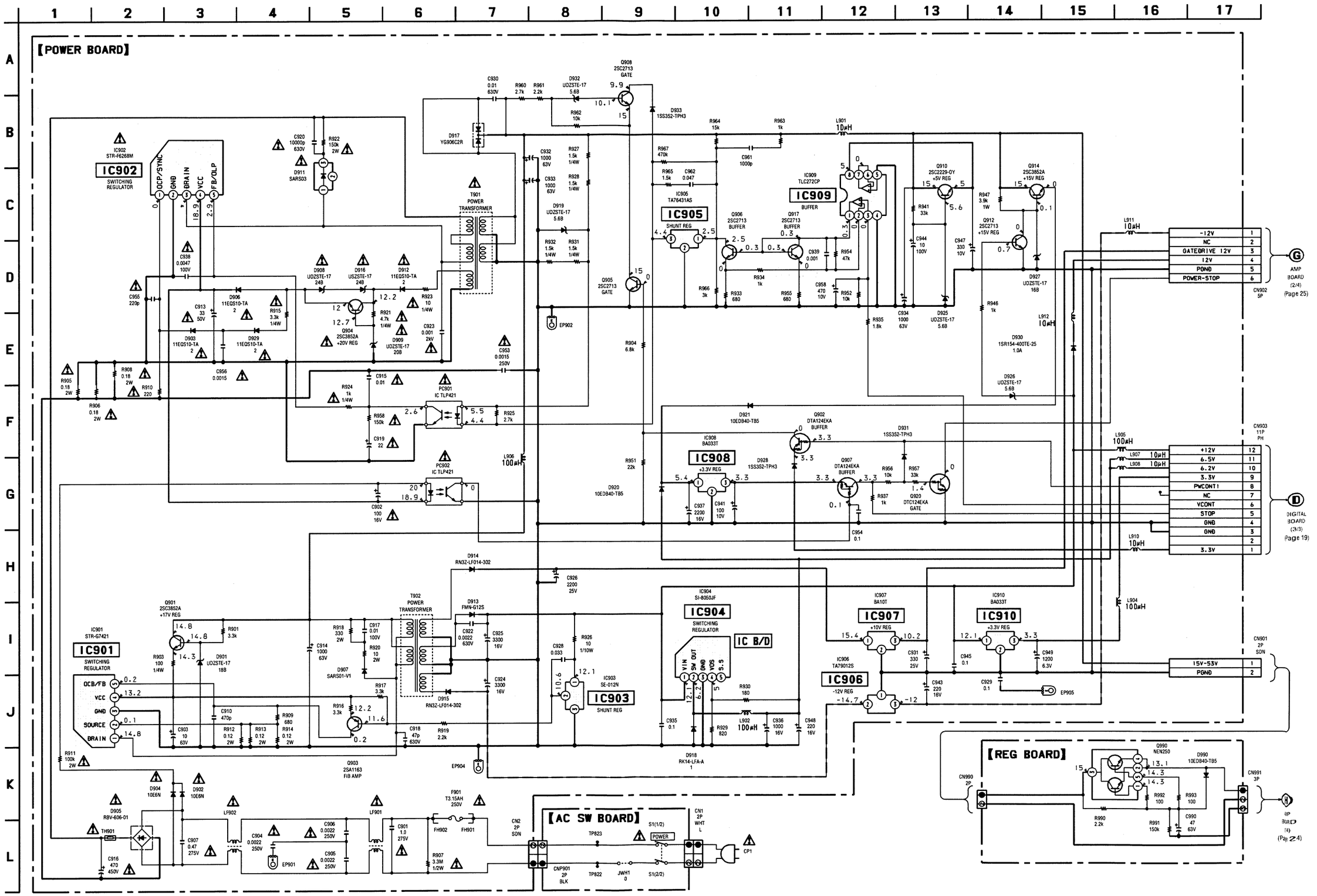


• **Semiconductor Location**

Ref. No.	Location
D901	J-7
D902	J-5
D903	G-2
D904	J-5
D905	J-4
D906	G-2
D907	I-7
D908	H-3
D909	G-3
D911	I-5
D912	G-3
D913	H-9
D914	J-8
D915	J-8
D916	G-3
D917	H-7
D918	H-8
D919	G-7
D920	G-9
D921	G-9
D925	F-7
D926	G-8
D927	G-8
D928	G-10
D929	G-2
D930	I-10
D931	F-10
D932	G-7
D933	F-7
D990	C-12
IC901	J-6
IC902	G-3
IC903	I-8
IC904	H-9
IC905	F-6
IC906	I-10
IC907	J-9
IC908	F-9
IC909	F-7
IC910	G-9
PC901	F-5
PC902	F-5
Q901	J-7
Q902	F-10
Q903	J-8
Q904	H-3
Q905	G-7
Q906	F-6
Q907	F-9
Q908	F-7
Q910	F-7
Q912	G-8
Q914	F-8
Q917	F-6
Q920	F-10
Q990	C-13

4-20. SCHEMATIC DIAGRAM — POWER SECTION —

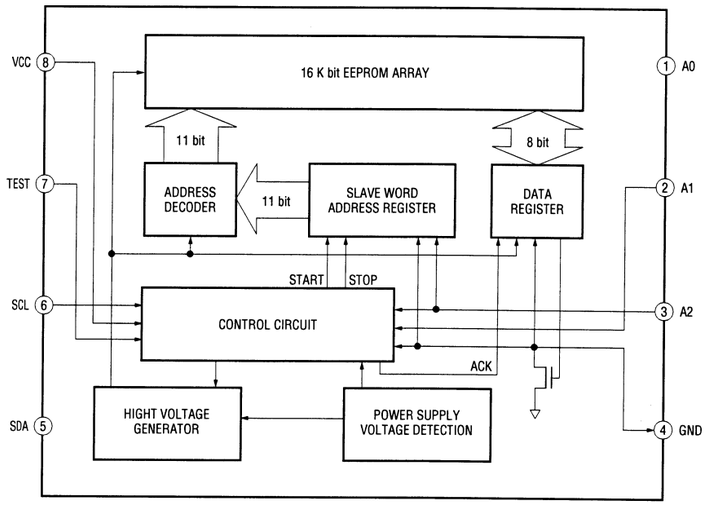
• See page 36 for IC Block Diagram.



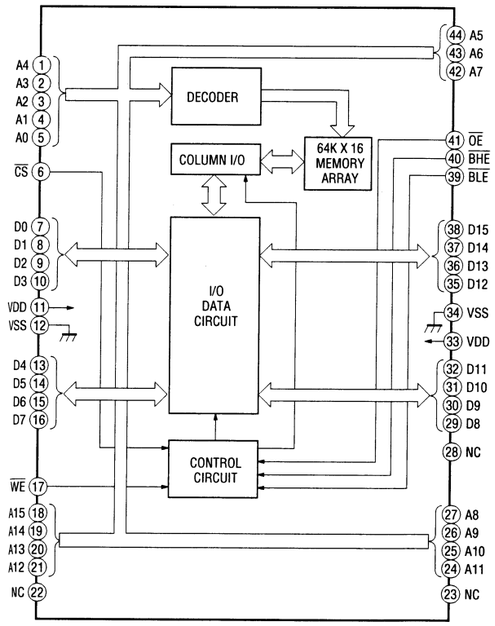
• **IC Block Diagrams**

– DIGITAL Board –

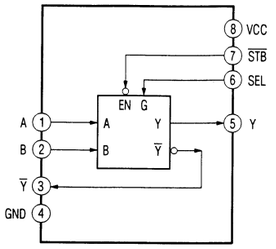
IC209 BR24L16F-WE2



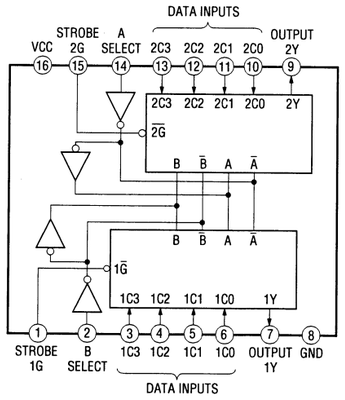
IC203 IC16LV6416-15TG



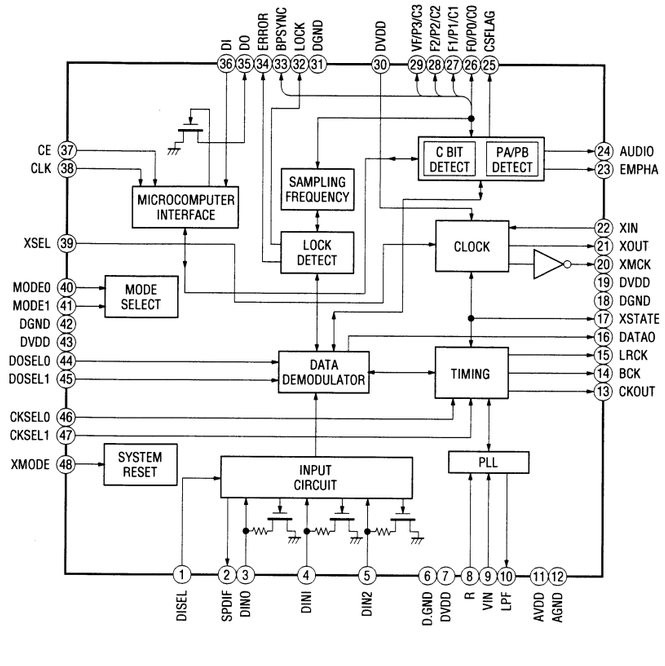
IC204, IC210 TC7WH157FK (TE85R)



IC211 SN74HC153ANS

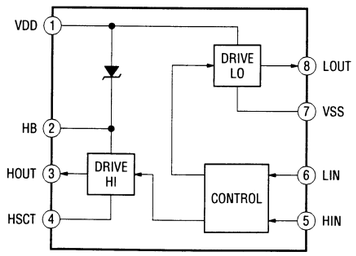


IC217 LC89056W-E

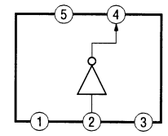


– AMP Board –

IC306, IC307, IC312, IC318, IC319, IC328, IC329, IC330, IC331, IC332, IC603, IC604 HIP2101IBZT

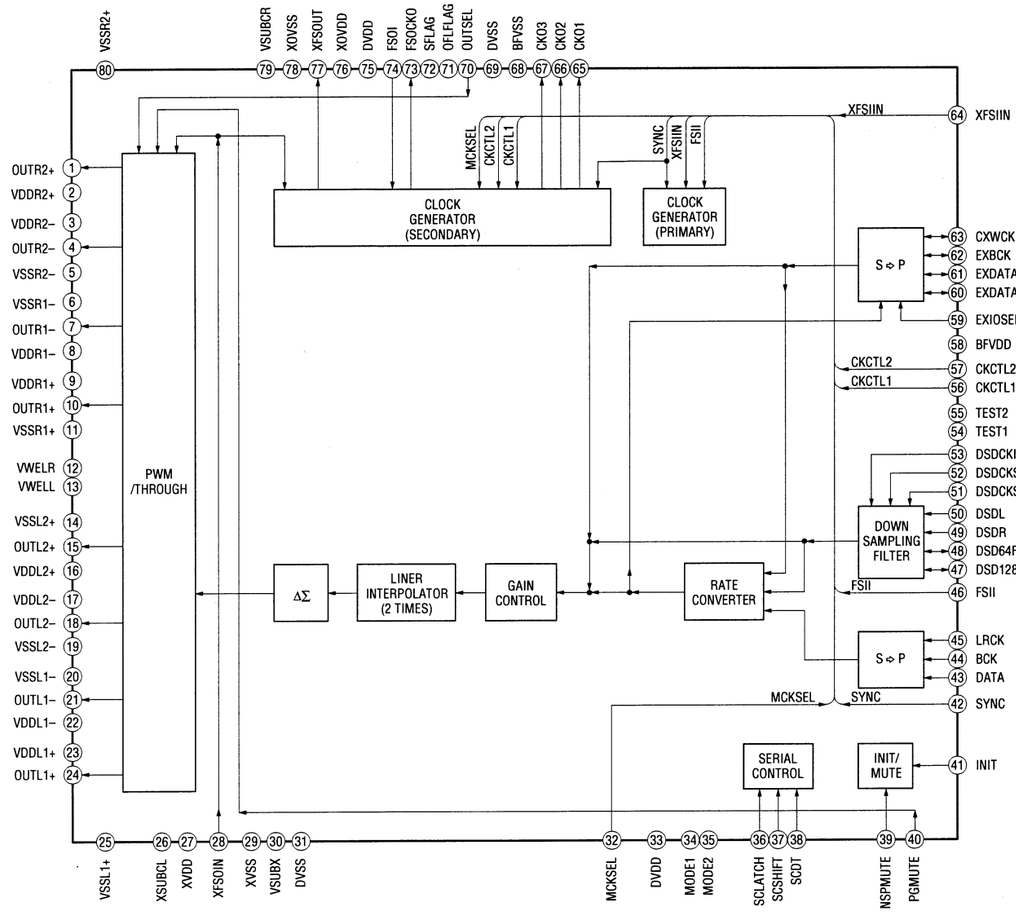


IC325 TC7SHU04FU

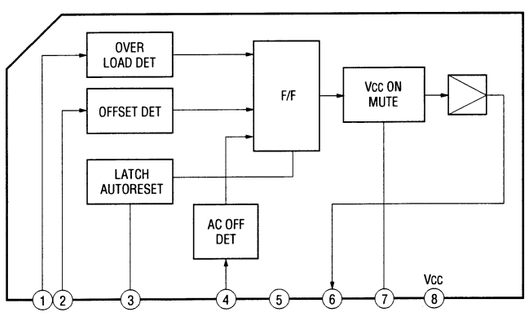


STR-DB900

IC301, IC308, IC313, IC605 CXD9730Q

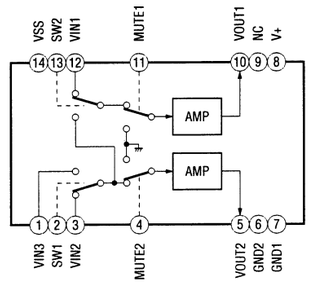


IC327 uPC1237HA



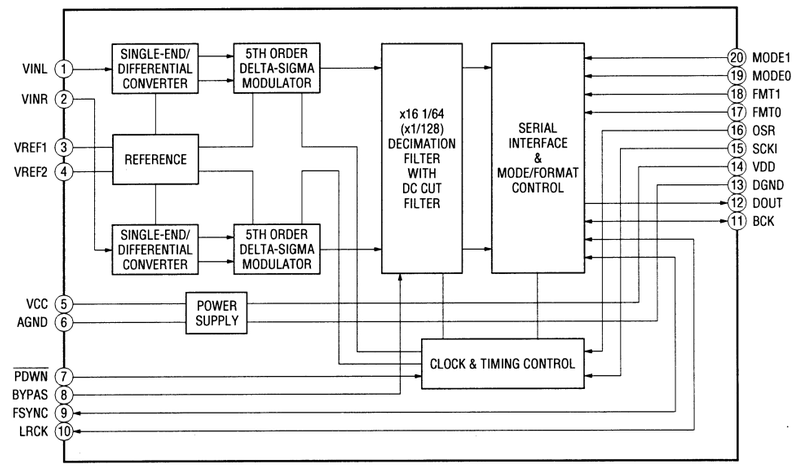
– VIDEO Board –

IC701 NJM2279M-TE2



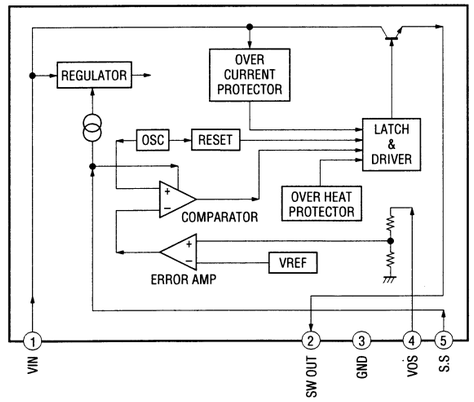
– ANALOG IN Board –

IC103, IC105, IC107 PCM1802DBR



– POWER Board –

IC904 SI-8050JF



STR-DB900

• **IC Pin Function Description**

DIGITAL BOARD IC206 CXD9718Q (AUDIO DSP)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground
2	XRST	I	System reset signal input
3	EXTIN	I	Not used. (Connected to ground.)
4	LRCKI3	I	Not used. (Connected to ground.)
5	VDDI	—	Power supply (+2.5 V)
6	BCKI3	I	Not used. (Connected to ground.)
7	PLOCK	O	Not used. (Open)
8	VSS	—	Ground
9	MCLK1	I	System clock input (13.5 MHz)
10	VDDI	—	Power supply (+2.5 V)
11	VSS	—	Ground
12	MCLK2	O	System clock output (13.5 MHz)
13	MS	I	Master/slave setting pin ("L": internal clock, "H": external clock) Connected to ground.
14	SCKOUT	O	Internal system clock output
15	LRCKI1	I	L/R sampling clock signal input from LC89056W
16	VDDE	—	Power supply (+3.3 V)
17	BCKI1	I	Bit clock signal input from LC89056W
18	SDI1	I	Audio serial data input
19	LRCKO	O	L/R sampling clock signal output to digital amp
20	BCKO	O	Bit clock signal output to digital amp
21	VSS	—	Ground
22	KFSIO	I	Audio clock signal input from LC89056W
23 to 26	SDO1 to SDO4	O	Audio serial data output to digital amp
27	SPDIF	O	Not used. (Open)
28	LRCKI2	I	L/R sampling clock signal input from LC89056W
29	BCKI2	I	Bit clock signal input from LC89056W
30	SDI2	I	Audio serial data input from analog audio and digital audio
31	VSS	—	Ground
32	HACN	O	Acknowledge signal output to MB91354APMT
33	HDIN	I	Serial data input from MB91354APMT
34	HCLK	I	Serial data transfer clock input from MB91354APMT
35	HDOUT	O	Serial data output to MB91354APMT
36	HCS	I	Chip select input from MB91354APMT
37	GP12	I	GP data signal input from MB91354APMT
38	GP13	—	Not used. (Open)
39	GP14	—	Not used. (Open)
40	VDDI	—	Power supply (+2.5 V)
41	VSS	—	Ground
42	GP15	I/O	Not used. (Open)
43	OE0	O	Not used. (Open)
44	CS0	O	Chip select signal output to DRAM
45	WE0	O	Write enable signal output to DRAM
46	VDDE	—	Power supply (+3.3 V)
47	WMD1	I	Not used. (Connected to VDD.)
48	VSS	—	Ground
49	WMD0	I	Not used. (Connected to VDD.)

Pin No.	Pin Name	I/O	Description
50	PAGE2	O	Not used. (Open)
51	VSS	—	Ground
52, 53	PAGE1, PAGE0	O	Not used. (Open)
54	BOOT	I	Not used. (Connected to ground.)
55	TST1	I	Not used. (Open)
56	BST	I	Boot strap signal input
57	MOD1	I	Operation mode setting pin Connected to VDD
58	MOD0	I	Operation mode setting pin Connected to ground
59	EXLOCK	I	PLL lock error signal and data error flag input
60	VDDI	—	Power supply (+2.5 V)
61	VSS	—	Ground
62, 63	A17, A16	O	Address signal output Not used. (Open)
64 to 66	A15 to A13	O	Address signal output to DRAM
67	GP10	—	Not used. (Open)
68	GP9	I/O	Audio signal input/output to MB91354APMT
69	GP8	I	Channel status bit 1 input from LC89056W
70	VDDI	—	Power supply (+2.5 V)
71	VSS	—	Ground
72 to 75	D15/GP7 to D12/GP4	I/O	DRAM data input/output
76	VDDE	—	Power supply (+3.3 V)
77 to 80	D11/GP3 to D8/GP0	I/O	DRAM data input/output
81	VSS	—	Ground
82 to 85	A9, A12 to A10	O	Address signal output to DRAM
86	TDO	O	Not used. (Open)
87	TMS	I	Not used. (Open)
88	XTRST	I	Not used. (Open)
89	TCK	I	Not used. (Open)
90	TDI	I	Not used. (Open)
91	VSS	—	Ground
92 to 97	A8 to A3	O	Address signal output to DRAM
98, 99	D7, D6	I/O	DRAM data input/output
100	VDDI	—	Power supply (+2.5 V)
101	VSS	—	Ground
102 to 105	D5 to D2	I/O	DRAM data input/output
106	VDDE	—	Power supply (+3.3 V)
107, 108	D1, D0	I/O	DRAM data input/output
109, 110	A2, A1	O	Address signal output to DRAM
111	VSS	—	Ground
112	A0	O	Address signal output to DRAM
113	PM	I	PM signal input from MB91354APMT
114	SDI3	I	Audio serial data input
115	SDI4	I	Not used. (Connected to ground.)
116	SYNC	I	Sync/non-sync setting pin ("L": sync, "H": non-sync) Connected to VDD
117	TST2	—	Not used. (Connected to ground.)
118	GP11	—	Not used. (Open)
119	TST3	—	Not used. (Connected to ground.)
120	VDDI	—	Power supply (+2.5 V)

STR-DB900

DIGITAL BOARD IC202 MB91354APMT-G-104-BNDE1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	DSP-DO	I	DSP serial data signal input from CXD9718Q
2	XDSP-RST	O	DSP reset signal output to CXD9718Q
3	DSP-PM	O	DSP PM signal output to CXD9718Q
4	XDSP-CS	O	DSP chip select signal output to CXD9718Q
5	DSP-HACN	I	DSP acknowledge signal input from CXD9718Q
6	DSP-BST	O	DSP BST signal output to CXD9718Q
7	DSP-GP9	I/O	DSP audio signal input/output to CXD9718Q
8	DSP-BSTSEL	O	DSP BST select signal output
9	DSP-GP12	O	DSP GP data signal output to CXD9718Q
10	NO-USE	—	Not used. (Connected to ground)
11	DIR-DI	O	DIR serial data signal output to LC89056W
12	DIR-CLK	O	DIR serial clock signal output to LC89056W
13	DIR-ZERO	I	DIR zero signal input to LC89056W
14	DIR-ERR	I	DIR error signal input
15	DIR-CE	O	DIR chip enable signal output to LC89056W
16	DIR-STAT	I	DIR start signal input from LC89056W
17	VSS	—	Ground
18	VCC	—	Power supply (+3.3V)
19	SD12-SEL	O	SACD select signal output
20	XDIR-MODE	O	DIR reset signal output to LC89056W
21	XDIR-DO	I	DIR serial data signal input from LC89056W
22	DIR-CLKSEL1	O	DIR CK select signal output to LC89056W
23	NO-USE	—	Not used. (Connected to ground)
24	DAMP-DATA	O	Serial data output for digital amp
25	DAMP-CLK	O	Serial clock output for digital amp
26	XDAMP-RST	O	Reset signal output for digital amp
27	XDAMP-NSMUTE	O	NS mute signal output for digital amp
28	DAMP-CS1-L/R	O	Chip select signal output 1 for L/R digital amp
29	DAMP-CS2-C/SW	O	Chip select signal output 2 for C/SW digital amp
30	DAMP-CS3-SL/SR	O	Chip select signal output 3 for SL/SR digital amp
31	DAMP-CS4-SB	O	Chip select signal output 4 for SB digital amp
32	XDAMP-EN	O	Enable signal output for digital amp
33	XDAMP-PROTECT	I	Protect signal input for digital amp
34	NO-USE	—	Not used. (Connected to ground)
35	VSS	—	Ground
36	VCC	—	Power supply (+3.3 V)
37	HP-SW	I	Headphone switch signal input
38	RELAY	O	Subwoofer mute signal output
39	HP-RY-501	I	Headphone mute signal output
40	NO-USE	—	Not used. (Connected to ground)
41	DSEL-RL	I	Not used. (Pull down)
42	RL-DETECT/RL	I	Not used. (Pull down)
43	DSEL-B	O	Digital input select signal output
44	DSEL-A	O	Digital input select signal output
45	DAVS	—	Ground
46	DAVC	—	Power supply (+3.3 V)
47	V-CONT	O	Voltage control signal output

Pin No.	Pin Name	I/O	Description
48	NO-USE	—	Not used. (Connected to ground)
49	NO-USE	—	Not used. (Connected to ground)
50	KEY2-QS-ONLY	I	Function key signal input
51	KE1	I	Function key signal input
52	VERSION	I	Version set input
53	RDS-SIGNAL	I	RDS signal input
54 to 61	NO-USE	—	Not used. (Connected to ground)
62	AVCC	—	Power supply (+3.3 V)
63	AVRH	—	Power supply (+3.3 V)
64	AVSS/AVRL	—	Ground
65	VSS	—	Ground
66	VCC	—	Power supply (+3.3 V)
67 to 70	NO-USE	—	Not used. (Connected to ground)
71	VSEL-C	O	Video input select signal output (Not used)
72	VSEL-B	O	Video input select signal output
73	VSEL-A	O	Video input select signal output
74	NO-USE	—	Not used. (Connected to ground)
75	XEROM-CLK	O	Serial clock signal output to BR24L16F-WE2
76	XEROM-DATA	I/O	Serial data signal input/output with BR24L16F-WE2
77	NO-USE	—	Not used. (Connected to ground)
78	NO-USE	—	Not used. (Connected to ground)
79	VSS	—	Ground
80	VCC	—	Power supply (+3.3 V)
81	FLSH-PNO	—	Not used. (Connected to ground)
82	NO-USE	—	Not used. (Connected to ground)
83	FLSH-PN2	—	Not used. (Connected to ground)
84	NO-USE	—	Not used. (Connected to ground)
85	P-CONT1	O	Standby power control signal output (Not used.)
86	P-CONT2	O	DVD power control signal output (Not used.)
87, 88	NO-USE	I	Not used. (Connected to ground)
89	POWER-KEY-OUT	I	Not used. (Pull down)
90	RL3/FAN	I	Not used. (Pull down)
91	RL2	I	Not used. (Pull down)
92	NO-USE	—	Not used. (Connected to ground)
93	VSS	—	Ground
94	NO-USE	—	Not used. (Connected to ground)
95	NO-USE	—	Not used. (Connected to ground)
96	VSS	—	Ground
97	VCC	—	Power supply (+3.3 V)
98	AC-STOP	I	AC stop detect signal input
99	NO-USE	—	Not used. (Connected to ground)
100	SIRCS	I	Sircs signal input
101	POWER-KEY	I	Not used. (Connected to ground)
102	RDS-INT	I	RDS interrupt signal input
103 to 113	NO-USE	—	Not used. (Connected to ground)
114	VSS	—	Ground
115	VCC	—	Power supply (+3.3 V)

Pin No.	Pin Name	I/O	Description
116	LED-STANDBY	O	Standby LED drive signal output
117	INPUT-DOWN	I	Input selector dial encoder signal input
118	INPUT-UP	I	Input selector dial encoder signal input
119	VOL-DOWN	I	Volume dial encoder signal input
120	VOL-UP	I	Volume dial encoder signal input
121	FL-LATCH	O	Latch signal output to uPD16315
122	FL-CLK	O	Serial clock output to uPD16315
123	FL-DATA	O	Serial data output to uPD16315
124	NO-USE	—	Not used. (Connected to ground)
125	FLSH-SI	I	Flash serial data write signal input
126	FLSH-SO	O	Flash serial data write signal output
127	NO-USE	O	Not used. (Open)
128 to 133	NO-USE	—	Not used. (Connected to ground)
134	NMIX	I	Not used. (Pull up)
135	XA-OUT	O	Not used. (Open)
136	VSS	—	Ground
137	XA-IN	I	Not used. (Connected to ground)
138	MD2	O	MD2 signal output
139,140	MD1,0	O	Not used. (Connected to ground)
141	X-IN	I	Ceramic vibrator signal input (12.5 MHz)
142	VCC	—	Power supply (+3.3 V)
143	X-OUT	O	Ceramic vibrator signal input (12.5 MHz)
144	XRESET	I	Reset signal input
145	VSS	—	Ground
146	VCC	—	Power supply (+3.3 V)
147 to 150	NO-USE	—	Not used. (Connected to ground)
151	TUN-CLK	O	Tuner clock output
152	TUN-D0	I	Tuner data input
153	TUN-DATA	O	Tuner data output
154	TUN-LAT	O	Tuner data latch signal output
155	TUN-TUNED	I	Tuner tuned signal input
156	TUN-STEREO	I	Tuner stereo signal input
157	TUN-MUTE	O	Tuner mute signal output
158	RDS-DATA	I	RDS data input
159 to 161	NO-USE	—	Not used. (Connected to ground)
162	VSS	—	Ground
163	VCC	—	Power supply (+3.3 V)
164 to 168	NO-USE	I	Not used. (Open)
169	ASEL-B	O	Analog input select signal output
170	ASEL-A	O	Analog input select signal output
171	ADC-RST	O	Reset signal output to PCM1802
172	NO-USE	—	Not used. (Connected to ground)
173	DSP-CLK	O	DSP serial clock output to CXD9718Q
174	DSP-DI	O	DSP serial data signal output to CXD9718Q
175	VSS	—	Ground
176	VCC	—	Power supply (+3.3 V)

DISPLAY BOARD IC802 uPD16315GB-3BS (FL DRIVER)

Pin No.	Pin Name	I/O	Description
1	AUX LED	O	Not used. (Open)
2	TV LED	O	Not used. (Open)
3	DVD LED	O	Not used. (Open)
4	VIDEO LED	O	Not used. (Open)
5	OSC	—	Clock OSC set terminal
6	DOUT	O	Not used. (Open)
7	DIN	I	Serial data input from MB91354APMT
8	CLK	I	Serial clock input from MB91354APMT
9	STB	I	Strobe signal input from MB91356APMT
10	KEY1	I	Not used. (Connected to ground)
11	KEY2	I	Not used. (Connected to ground)
12	VSS	—	Ground
13	VDD	—	Power supply (+5 V)
14 to 29	SEG1 to SEG16	O	FLD segment output
30	VEE	—	Power supply (-30 V)
31 to 42	GRID10 to GRIG1	O	FLD grid output
43	VDD	—	Power supply (+5 V)
44	VSS	—	Ground

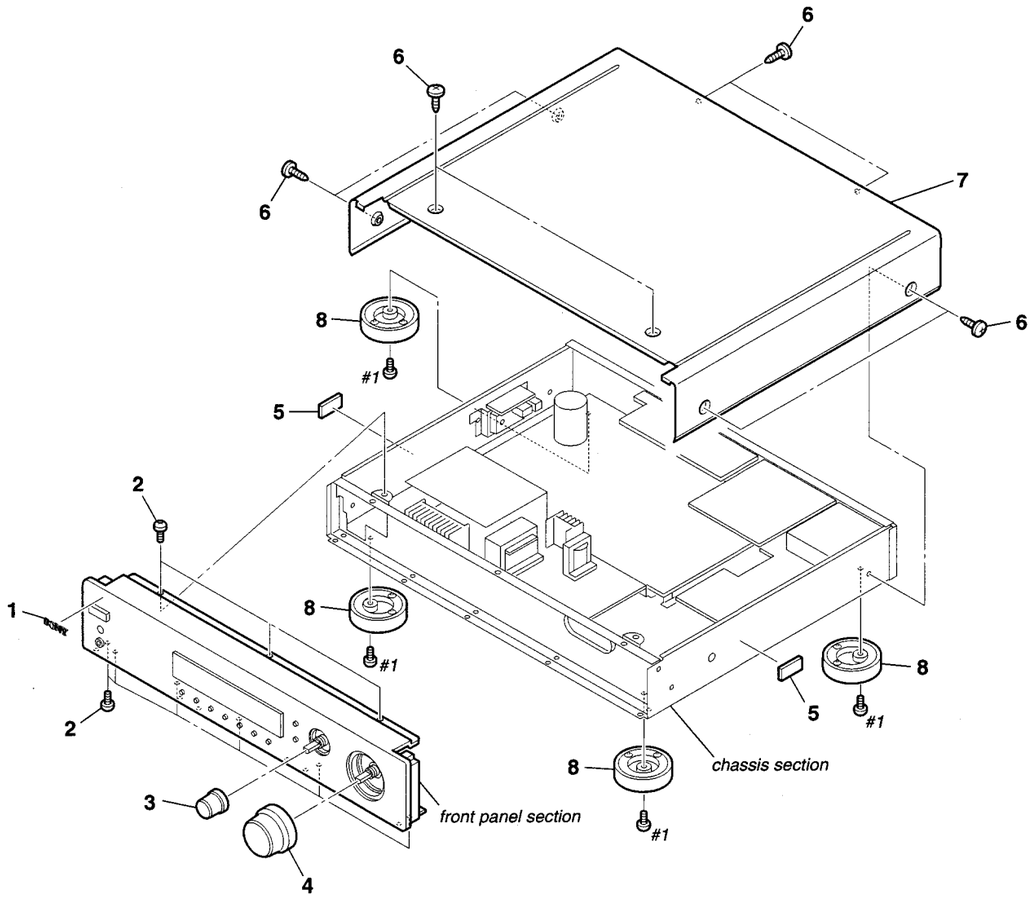
SECTION 5
EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  SP : Singapore model
  MY : Malaysia model

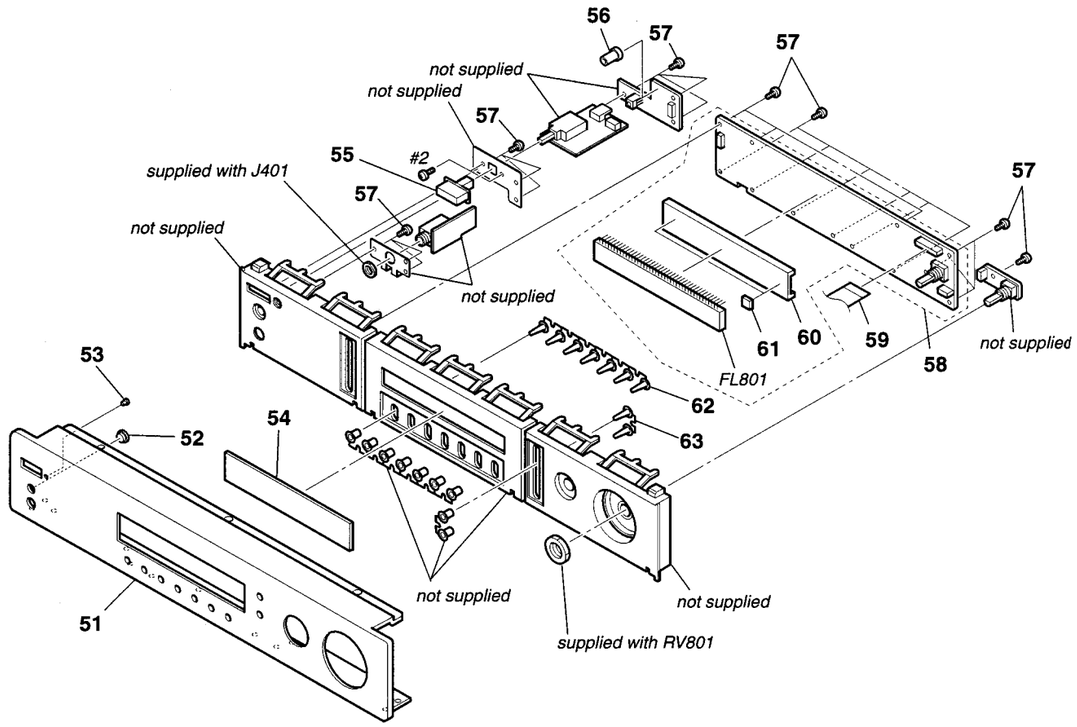
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

5-1. CASE SECTION



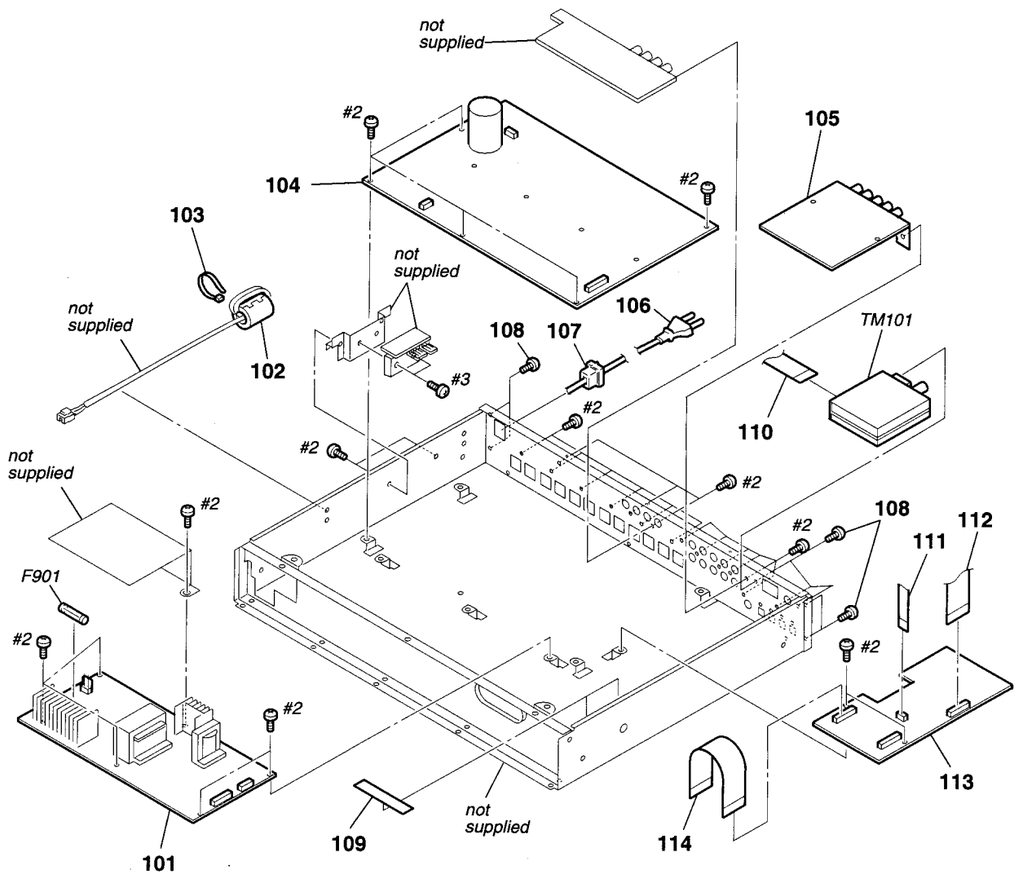
Ref. No.	Part No.	Description	Remark
1	4-942-568-61	EMBLEM (NO.5), SONY	
2	3-704-515-32	SCREW (BV/RING)	
3	X-4956-419-2	KNOB (SLCT) ASSY	
4	X-4956-418-2	KNOB (VOL) ASSY	
5	4-985-642-01	CUSHION	
6	4-227-843-31	SCREW (TP), FLAT HEAD	
7	4-255-056-01	CASE	
8	X-4956-420-1	FOOT ASSY	
#1	7-685-881-01	SCREW +BVTT 4X8 (S)	

5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	4-255-034-01	PANEL, FRONT (AEP, UK)	
51	4-255-034-11	PANEL, FRONT (SP, MY)	
52	4-255-035-01	CONTROL, REMOTE, WINDOW	
53	4-998-607-01	INDICATOR (POWER)	
54	4-255-036-02	PLATE, INDICATION	
55	4-255-041-01	BUTTON (POWER1)	
56	3-362-478-01	HOLDER (T), LED	
57	4-951-620-01	SCREW (2.6X8), +BVTP	
58	A-4752-848-A	DISPLAY BOARD, COMPLETE	
59	1-773-060-11	WIRE (FLAT TYPE) (17 CORE)	
60	4-246-462-01	HOLDER (FL-B9)	
* 61	4-921-941-01	CUSHION (FL)	
62	4-255-043-01	BUTTON (MODE)	
63	4-255-043-11	BUTTON (MODE)	
FL801	1-518-993-11	INDICATOR TUBE, FLUORESCENT	
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

5-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
101	A-4752-842-A	POWER BOARD, COMPLETE	
102	1-469-969-11	CLAMP, FERRITE (AEP, UK)	
103	3-655-653-11	BAND (TAITON), BINDING	
104	A-4752-839-A	AMP BOARD, COMPLETE	
105	A-1070-925-A	ANALOG IN BOARD, COMPLETE (SP, MY)	
105	A-4752-844-A	ANALOG IN BOARD, COMPLETE (AEP, UK)	
⚠106	1-829-626-11	CORD, POWER	
107	4-966-267-04	BUSHING (FBS001), CORD	
108	4-974-510-11	SCREW (+BV 3X8 CU)	
109	4-860-518-00	CUSHION	
110	1-769-939-11	WIRE (FLAT TYPE) (11 CORE) (SP, MY)	

Ref. No.	Part No.	Description	Remark
110	1-773-003-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)	
111	1-769-857-11	WIRE (FLAT TYPE) (5 CORE)	
112	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)	
113	A-1070-920-A	DIGITAL BOARD, COMPLETE (SP, MY)	
113	A-4752-836-A	DIGITAL BOARD, COMPLETE (AEP, UK)	
114	1-828-386-11	WIRE (FLAT TYPE) (25 CORE)	
⚠F901	1-576-230-12	FUSE (H.B.C.) (T3.15AL/250V)	
TM101	1-693-578-41	TUNER (AEP, UK)	
TM101	1-693-641-11	TUNER (SP, MY)	
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

AC SW **AMP**

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- Accessories are given in the last of this parts list.

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- Abbreviation
  SP : Singapore model
  MY : Malaysia model

Ref. No.	Part No.	Description			Remark
		AC SW BOARD			
		**********			
		< CONNECTOR >			
* CN1	1-695-044-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< SWITCH >			
⚠S1	1-692-349-11	SWITCH, PUSH (AC POWER) (POWER)			
**********					
	A-4752-839-A	AMP BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C201	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C300	1-112-031-11	ELECT (BLOCK)	8200uF	20%	63V
C301	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C302	1-135-671-51	ELECT	2200uF		10V
C303	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C304	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C305	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C306	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C307	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C308	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C309	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C310	1-128-871-91	ELECT	47uF	20%	63V
C311	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C312	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C313	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C314	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C315	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C316	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C317	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C318	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C319	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C320	1-127-725-91	ELECT	220PF	20%	25V
C321	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C322	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C323	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C324	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C325	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C326	1-127-725-91	ELECT	220PF	20%	25V
C327	1-127-725-91	ELECT	220PF	20%	25V
C328	1-127-725-91	ELECT	220PF	20%	25V

Ref. No.	Part No.	Description			Remark
C329	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C330	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C331	1-128-875-11	ELECT	470uF	20%	63V
C332	1-128-875-11	ELECT	470uF	20%	63V
C333	1-128-872-91	ELECT	100uF	20%	63V
C335	1-100-598-11	MYLAR	1uF	5%	250V
C336	1-100-598-11	MYLAR	1uF	5%	250V
C337	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C338	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C339	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C340	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C341	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C342	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C343	1-127-725-91	ELECT	220PF	20%	25V
C344	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C345	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C346	1-128-875-11	ELECT	470uF	20%	63V
C347	1-128-875-11	ELECT	470uF	20%	63V
C348	1-128-872-91	ELECT	100uF	20%	63V
C349	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C350	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C351	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C353	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C354	1-100-598-11	MYLAR	1uF	5%	250V
C355	1-100-598-11	MYLAR	1uF	5%	250V
C356	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C357	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C358	1-127-725-91	ELECT	220PF	20%	25V
C359	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C360	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C363	1-128-871-91	ELECT	47uF	20%	63V
C364	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C365	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C366	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C367	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C368	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C369	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C370	1-135-671-51	ELECT	2200uF		10V
C371	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C372	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C373	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C374	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C375	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C376	1-165-319-11	CERAMIC CHIP	0.1uF		50V

AMP

Ref. No.	Part No.	Description			Remark
C377	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C378	1-128-871-91	ELECT	47uF	20%	63V
C379	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C380	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C381	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C382	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C383	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C384	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C385	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C386	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C387	1-127-725-91	ELECT	220PF	20%	25V
C388	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C389	1-131-664-91	CERAMIC CHIP	0.15uF	10%	10V
C390	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C391	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C392	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C394	1-131-664-91	CERAMIC CHIP	0.15uF	10%	10V
C395	1-104-509-11	CERAMIC CHIP	0.018uF	10%	16V
C396	1-119-799-11	ELECT	47uF	20%	25V
C397	1-127-725-91	ELECT	220PF	20%	25V
C398	1-127-725-91	ELECT	220PF	20%	25V
C399	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C400	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C401	1-128-875-11	ELECT	470uF	20%	63V
C402	1-128-875-11	ELECT	470uF	20%	63V
C403	1-128-872-91	ELECT	100uF	20%	63V
C404	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C405	1-100-598-11	MYLAR	1uF	5%	250V
C406	1-100-598-11	MYLAR	1uF	5%	250V
C407	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C408	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C409	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C410	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C412	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C413	1-128-834-11	ELECT	470uF	20%	10V
C414	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C415	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V
C416	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C417	1-126-959-11	ELECT	0.47uF	20%	50V
C418	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C419	1-126-965-91	ELECT	22uF	20%	50V
C420	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C421	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C422	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C424	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C425	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C426	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C427	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C428	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C430	1-135-671-51	ELECT	2200uF		10V
C431	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C432	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C433	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C434	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C435	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C436	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C437	1-128-871-91	ELECT	47uF	20%	63V
C438	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C439	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C440	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C441	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C442	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C443	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C444	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C445	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C446	1-127-725-91	ELECT	220PF	20%	25V
C447	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C448	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C449	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C450	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C451	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C452	1-127-725-91	ELECT	220PF	20%	25V
C453	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C454	1-127-725-91	ELECT	220PF	20%	25V
C455	1-127-725-91	ELECT	220PF	20%	25V
C456	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C457	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C458	1-128-875-11	ELECT	470uF	20%	63V
C459	1-128-875-11	ELECT	470uF	20%	63V
C460	1-128-872-91	ELECT	100uF	20%	63V
C461	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C462	1-100-598-11	MYLAR	1uF	5%	250V
C463	1-100-598-11	MYLAR	1uF	5%	250V
C464	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C466	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C468	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C469	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C470	1-127-725-91	ELECT	220PF	20%	25V
C471	1-127-725-91	ELECT	220PF	20%	25V
C472	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C473	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C474	1-128-875-11	ELECT	470uF	20%	63V
C475	1-128-875-11	ELECT	470uF	20%	63V
C476	1-104-509-11	CERAMIC CHIP	0.018uF	10%	16V
C477	1-128-872-91	ELECT	100uF	20%	63V
C478	1-100-598-11	MYLAR	1uF	5%	250V
C479	1-100-598-11	MYLAR	1uF	5%	250V
C480	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C481	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C482	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C483	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C485	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C486	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C487	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C488	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C489	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C490	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C491	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C493	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C494	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C495	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C496	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C497	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C498	1-126-204-11	ELECT CHIP	47uF	20%	16V
C499	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V

AMP

Ref. No.	Part No.	Description			Remark
C500	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C501	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V
C502	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V
C503	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C504	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C505	1-126-246-11	ELECT CHIP	220uF	20%	4V
C506	1-126-246-11	ELECT CHIP	220uF	20%	4V
C507	1-126-204-11	ELECT CHIP	47uF	20%	16V
C509	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C510	1-128-871-91	ELECT	47uF	20%	63V
C511	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C512	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C513	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V
C514	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V
C515	1-128-872-91	ELECT	100uF	20%	63V
C516	1-128-868-91	ELECT	10uF	20%	63V
C517	1-128-871-91	ELECT	47uF	20%	63V
C518	1-128-868-91	ELECT	10uF	20%	63V
C519	1-127-725-91	ELECT	220PF	20%	25V
C520	1-127-725-91	ELECT	220PF	20%	25V
C521	1-127-720-91	ELECT	470uF	20%	16V
C522	1-128-868-91	ELECT	10uF	20%	63V
C523	1-119-827-11	ELECT	47uF	20%	50V
C524	1-119-827-11	ELECT	47uF	20%	50V
C525	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C526	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C527	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C528	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C529	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C530	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C531	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C532	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C533	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C534	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C535	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C536	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C537	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C538	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C539	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C540	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C541	1-128-868-91	ELECT	10uF	20%	63V
C542	1-128-868-91	ELECT	10uF	20%	63V
C543	1-128-868-91	ELECT	10uF	20%	63V
C544	1-128-868-91	ELECT	10uF	20%	63V
C545	1-128-868-91	ELECT	10uF	20%	63V
C546	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C547	1-136-850-11	MYLAR	0.1uF	5%	63V
C548	1-136-850-11	MYLAR	0.1uF	5%	63V
C549	1-136-850-11	MYLAR	0.1uF	5%	63V
C550	1-136-850-11	MYLAR	0.1uF	5%	63V
C551	1-136-850-11	MYLAR	0.1uF	5%	63V
C552	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C553	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C554	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C555	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C556	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C557	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C558	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C559	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C560	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V
C562	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C563	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C564	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C565	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C566	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C567	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C568	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C569	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C570	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C571	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C572	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C573	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C574	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C576	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C578	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C579	1-119-799-11	ELECT	47uF	20%	25V
C580	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C581	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C582	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C583	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C584	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C585	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C586	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C587	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C588	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C589	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C590	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C591	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C592	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C593	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C594	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C601	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C602	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C603	1-128-871-91	ELECT	47uF	20%	63V
C604	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C605	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C606	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C607	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C608	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C609	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C610	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C611	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C612	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C613	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C614	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C615	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C616	1-127-725-91	ELECT	220PF	20%	25V
C617	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C618	1-127-725-91	ELECT	220PF	20%	25V
C619	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C620	1-127-725-91	ELECT	220PF	20%	25V
C621	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C622	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C623	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C624	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V

Ref. No.	Part No.	Description			Remark
C625	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C626	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C627	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C628	1-128-875-11	ELECT	470uF	20%	63V
C629	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C630	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C631	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C632	1-128-875-11	ELECT	470uF	20%	63V
C633	1-128-872-91	ELECT	100uF	20%	63V
C634	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C635	1-128-868-91	ELECT	10uF	20%	63V
C636	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C637	1-136-850-11	MYLAR	0.1uF	5%	63V
C638	1-100-598-11	MYLAR	1uF	5%	250V
C639	1-100-598-11	MYLAR	1uF	5%	250V
C640	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C641	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C642	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C643	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C645	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C646	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C647	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C648	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C649	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C650	1-163-005-91	CERAMIC CHIP	470PF	10%	50V
C651	1-125-926-11	TANTAL. CHIP	4.7uF	20%	6.3V
C652	1-135-671-51	ELECT	2200uF		10V
C653	1-100-156-91	CERAMIC CHIP	680PF	5%	100V
C661	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C662	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C663	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C664	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
		< CONNECTOR >			
CN301	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CN309	1-784-921-11	PIN, CONNECTOR 4P			
CN315	1-779-293-11	CONNECTOR, FFC (LIF (NON-ZIF)) 25P			
		< DIODE >			
D301	8-719-049-09	DIODE 1SS367-T3SONY			
D302	8-719-049-09	DIODE 1SS367-T3SONY			
D303	8-719-049-09	DIODE 1SS367-T3SONY			
D304	8-719-049-09	DIODE 1SS367-T3SONY			
D305	8-719-049-09	DIODE 1SS367-T3SONY			
D306	8-719-016-74	DIODE 1SS352			
D308	8-719-016-74	DIODE 1SS352			
D310	8-719-016-74	DIODE 1SS352			
D311	8-719-016-74	DIODE 1SS352			
D312	8-719-016-74	DIODE 1SS352			
D313	8-719-016-74	DIODE 1SS352			
D315	8-719-016-74	DIODE 1SS352			
D316	8-719-016-74	DIODE 1SS352			
D317	8-719-016-74	DIODE 1SS352			
D318	8-719-016-74	DIODE 1SS352			
D319	8-719-016-74	DIODE 1SS352			
D320	8-719-016-74	DIODE 1SS352			

Ref. No.	Part No.	Description	Remark
D321	8-719-016-74	DIODE 1SS352	
D322	8-719-016-74	DIODE 1SS352	
D323	8-719-016-74	DIODE 1SS352	
D326	8-719-049-09	DIODE 1SS367-T3SONY	
D327	8-719-049-09	DIODE 1SS367-T3SONY	
D328	8-719-049-09	DIODE 1SS367-T3SONY	
D329	8-719-049-09	DIODE 1SS367-T3SONY	
D601	8-719-016-74	DIODE 1SS352	
D602	8-719-016-74	DIODE 1SS352	
		< EARTH TERMINAL >	
* EP301	1-537-738-21	TERMINAL, EARTH	
* EP302	1-537-738-21	TERMINAL, EARTH	
* EP303	1-537-738-21	TERMINAL, EARTH	
* EP304	1-537-738-21	TERMINAL, EARTH	
* EP305	1-537-738-21	TERMINAL, EARTH	
		< FERRITE BEAD >	
FB301	1-469-835-21	INDUCTOR, FERRITE BEAD	
FB302	1-469-835-21	INDUCTOR, FERRITE BEAD	
FB303	1-469-760-21	FERRITE, EMI (SMD) (2012)	
FB304	1-469-760-21	FERRITE, EMI (SMD) (2012)	
FB305	1-469-760-21	FERRITE, EMI (SMD) (2012)	
FB306	1-469-760-21	FERRITE, EMI (SMD) (2012)	
FB307	1-469-760-21	FERRITE, EMI (SMD) (2012)	
FB308	1-469-760-21	FERRITE, EMI (SMD) (2012)	
FB309	1-469-760-21	FERRITE, EMI (SMD) (2012)	
FB310	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB311	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB312	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB313	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB314	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB315	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB316	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB317	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB318	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB319	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB320	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB321	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB322	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB323	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB324	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB325	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB326	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB327	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB328	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB329	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB330	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB331	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB332	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB601	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB602	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB603	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB604	1-469-760-21	FERRITE, EMI (SMD) (2012)	
FB605	1-469-760-21	FERRITE, EMI (SMD) (2012)	
FB606	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB607	1-414-760-21	FERRITE, EMI (SMD) (1608)	

Ref. No.	Part No.	Description	Remark
		< IC >	
IC301	6-702-673-01	IC CXD9730Q	
IC302	8-759-523-08	IC TC74AC08FT (EL)	
IC303	8-759-523-08	IC TC74AC08FT (EL)	
IC304	8-759-523-08	IC TC74AC08FT (EL)	
IC305	8-759-523-08	IC TC74AC08FT (EL)	
IC306	6-704-197-01	IC HIP2101IBZT	
IC307	6-704-197-01	IC HIP2101IBZT	
IC308	6-702-673-01	IC CXD9730Q	
IC309	8-759-523-08	IC TC74AC08FT (EL)	
IC310	8-759-523-08	IC TC74AC08FT (EL)	
IC311	8-759-636-55	IC M5218AFP	
IC312	6-704-197-01	IC HIP2101IBZT	
IC313	6-702-673-01	IC CXD9730Q	
IC314	8-759-523-08	IC TC74AC08FT (EL)	
IC315	8-759-523-08	IC TC74AC08FT (EL)	
IC316	8-759-523-08	IC TC74AC08FT (EL)	
IC317	8-759-523-08	IC TC74AC08FT (EL)	
IC318	6-704-197-01	IC HIP2101IBZT	
IC319	6-704-197-01	IC HIP2101IBZT	
IC320	8-759-636-55	IC M5218AFP	
IC321	8-759-636-55	IC M5218AFP	
IC322	8-759-450-47	IC BA05T	
IC323	8-759-445-59	IC BA033T	
IC324	8-759-711-85	IC NJM4580E-D	
IC325	8-759-271-88	IC TC7SHU04FU	
IC326	8-759-679-05	IC TC7WH34FU (TE12R)	
IC327	8-759-111-68	IC uPC1237HA	
IC328	6-704-197-01	IC HIP2101IBZT	
IC329	6-704-197-01	IC HIP2101IBZT	
IC330	6-704-197-01	IC HIP2101IBZT	
IC331	6-704-197-01	IC HIP2101IBZT	
IC332	6-704-197-01	IC HIP2101IBZT	
IC601	8-759-523-08	IC TC74AC08FT (EL)	
IC602	8-759-523-08	IC TC74AC08FT (EL)	
IC603	6-704-197-01	IC HIP2101IBZT	
IC604	6-704-197-01	IC HIP2101IBZT	
IC605	6-702-673-01	IC CXD9730Q	
		< JACK >	
J301	1-793-446-11	JACK, PIN 1P (SUB WOOFER AUDIO OUT)	
		< COIL >	
L301	1-412-010-41	INDUCTOR 22uH	
L302	1-412-010-41	INDUCTOR 22uH	
L303	1-412-010-41	INDUCTOR 22uH	
L304	1-412-006-31	INDUCTOR 10uH	
L305	1-410-993-42	INDUCTOR 1uH	
L306	1-456-412-11	INDUCTOR 10uH	
L307	1-456-412-11	INDUCTOR 10uH	
L308	1-456-412-11	INDUCTOR 10uH	
L309	1-456-412-11	INDUCTOR 10uH	
L310	1-428-923-11	INDUCTOR 10uH	
L311	1-428-923-11	INDUCTOR 10uH	
L312	1-428-923-11	INDUCTOR 10uH	
L313	1-428-923-11	INDUCTOR 10uH	

Ref. No.	Part No.	Description	Remark
L314	1-456-412-11	INDUCTOR 10uH	
L315	1-456-412-11	INDUCTOR 10uH	
L326	1-412-006-31	INDUCTOR 10uH	
L327	1-410-682-31	INDUCTOR 470uH	
L328	1-410-682-31	INDUCTOR 470uH	
L329	1-410-682-31	INDUCTOR 470uH	
L601	1-428-923-11	INDUCTOR 10uH	
L602	1-428-923-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q304	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q305	1-801-806-11	TRANSISTOR DTC144EKA	
Q306	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q307	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q308	1-801-806-11	TRANSISTOR DTC144EKA	
Q309	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q310	8-729-202-05	TRANSISTOR 2SC2873-O	
Q311	8-729-202-05	TRANSISTOR 2SC2873-O	
Q312	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q313	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q314	1-801-806-11	TRANSISTOR DTC144EKA	
Q315	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q316	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q317	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q318	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q319	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q320	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q321	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q322	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q323	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q324	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q325	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q326	8-729-216-21	TRANSISTOR 2SA1162-Y	
Q327	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q328	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q329	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q330	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q331	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q332	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q333	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q334	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q335	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q336	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q337	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q338	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q339	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q340	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q341	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q342	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q343	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q344	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q345	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ	
Q346	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q347	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q348	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q349	8-729-230-49	TRANSISTOR 2SC2712-YG	

Ref. No.	Part No.	Description			Remark
Q350	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q351	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q352	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q353	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q354	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q355	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q356	8-729-216-21	TRANSISTOR 2SA1162-Y			
Q358	8-729-216-21	TRANSISTOR 2SA1162-Y			
Q360	8-729-216-21	TRANSISTOR 2SA1162-Y			
Q362	8-729-216-21	TRANSISTOR 2SA1162-Y			
Q364	8-729-216-21	TRANSISTOR 2SA1162-Y			
Q601	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ			
Q602	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ			
Q603	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ			
Q604	6-550-614-01	TRANSISTOR 2SK3669-T6L1SOYNQ			
Q606	8-729-216-21	TRANSISTOR 2SA1162-Y			
Q607	8-729-216-21	TRANSISTOR 2SA1162-Y			
Q608	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q609	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q610	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q612	8-729-216-21	TRANSISTOR 2SA1162-Y			
		< RESISTOR >			
R301	1-216-801-11	METAL CHIP	22	5%	1/10W
R302	1-216-815-11	METAL CHIP	330	5%	1/10W
R303	1-216-815-11	METAL CHIP	330	5%	1/10W
R304	1-216-815-11	METAL CHIP	330	5%	1/10W
R305	1-216-815-11	METAL CHIP	330	5%	1/10W
R306	1-216-810-11	METAL CHIP	120	5%	1/10W
R307	1-216-797-11	METAL CHIP	10	5%	1/10W
R308	1-216-797-11	METAL CHIP	10	5%	1/10W
R309	1-216-810-11	METAL CHIP	120	5%	1/10W
R310	1-216-815-11	METAL CHIP	330	5%	1/10W
R311	1-216-815-11	METAL CHIP	330	5%	1/10W
R312	1-216-815-11	METAL CHIP	330	5%	1/10W
R313	1-216-815-11	METAL CHIP	330	5%	1/10W
R314	1-216-810-11	METAL CHIP	120	5%	1/10W
R315	1-216-797-11	METAL CHIP	10	5%	1/10W
R316	1-216-797-11	METAL CHIP	10	5%	1/10W
R317	1-216-810-11	METAL CHIP	120	5%	1/10W
R318	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R319	1-243-961-21	METAL CHIP	0.1	5%	1W
R320	1-249-673-11	CARBON	1K	5%	1/2W
⚠R321	1-243-961-21	METAL CHIP	0.1	5%	1W
R322	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R323	1-216-864-11	SHORT CHIP	0		
R324	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R325	1-243-961-21	METAL CHIP	0.1	5%	1W
⚠R327	1-243-961-21	METAL CHIP	0.1	5%	1W
R329	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R330	1-216-815-11	METAL CHIP	330	5%	1/10W
R331	1-216-815-11	METAL CHIP	330	5%	1/10W
R332	1-216-815-11	METAL CHIP	330	5%	1/10W
R333	1-216-815-11	METAL CHIP	330	5%	1/10W
R334	1-216-810-11	METAL CHIP	120	5%	1/10W
R335	1-216-797-11	METAL CHIP	10	5%	1/10W
R336	1-216-797-11	METAL CHIP	10	5%	1/10W

Ref. No.	Part No.	Description			Remark
R337	1-216-810-11	METAL CHIP	120	5%	1/10W
R338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R339	1-216-833-11	METAL CHIP	10K	5%	1/10W
R340	1-216-837-11	METAL CHIP	22K	5%	1/10W
R341	1-216-837-11	METAL CHIP	22K	5%	1/10W
R342	1-216-833-11	METAL CHIP	10K	5%	1/10W
R343	1-216-833-11	METAL CHIP	10K	5%	1/10W
R344	1-216-837-11	METAL CHIP	22K	5%	1/10W
R345	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R346	1-216-837-11	METAL CHIP	22K	5%	1/10W
R347	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R348	1-216-797-11	METAL CHIP	10	5%	1/10W
R349	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R350	1-243-961-21	METAL CHIP	0.1	5%	1W
⚠R352	1-243-961-21	METAL CHIP	0.1	5%	1W
R353	1-216-864-11	SHORT CHIP	0		
R355	1-216-841-11	METAL CHIP	47K	5%	1/10W
R356	1-218-269-11	METAL CHIP	360	5%	1/10W
R357	1-216-809-11	METAL CHIP	100	5%	1/10W
R358	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R360	1-216-815-11	METAL CHIP	330	5%	1/10W
R361	1-216-815-11	METAL CHIP	330	5%	1/10W
R362	1-216-815-11	METAL CHIP	330	5%	1/10W
R363	1-216-815-11	METAL CHIP	330	5%	1/10W
R364	1-216-810-11	METAL CHIP	120	5%	1/10W
R365	1-216-797-11	METAL CHIP	10	5%	1/10W
R366	1-216-797-11	METAL CHIP	10	5%	1/10W
R367	1-216-810-11	METAL CHIP	120	5%	1/10W
R368	1-216-815-11	METAL CHIP	330	5%	1/10W
R369	1-216-815-11	METAL CHIP	330	5%	1/10W
R370	1-216-815-11	METAL CHIP	330	5%	1/10W
R371	1-216-815-11	METAL CHIP	330	5%	1/10W
R372	1-216-810-11	METAL CHIP	120	5%	1/10W
R373	1-216-797-11	METAL CHIP	10	5%	1/10W
R374	1-216-797-11	METAL CHIP	10	5%	1/10W
R375	1-216-810-11	METAL CHIP	120	5%	1/10W
R376	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R377	1-243-961-21	METAL CHIP	0.1	5%	1W
⚠R379	1-243-961-21	METAL CHIP	0.1	5%	1W
R380	1-216-805-11	METAL CHIP	47	5%	1/10W
R381	1-216-805-11	METAL CHIP	47	5%	1/10W
R382	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R383	1-216-864-11	SHORT CHIP	0		
R385	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R386	1-243-961-21	METAL CHIP	0.1	5%	1W
⚠R388	1-243-961-21	METAL CHIP	0.1	5%	1W
R389	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R390	1-216-864-11	SHORT CHIP	0		
R391	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R392	1-218-269-11	METAL CHIP	360	5%	1/10W
R394	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R395	1-216-864-11	SHORT CHIP	0		
R396	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R397	1-216-864-11	SHORT CHIP	0		
R400	1-216-833-11	METAL CHIP	10K	5%	1/10W
R401	1-216-833-11	METAL CHIP	10K	5%	1/10W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W
R403	1-216-833-11	METAL CHIP	10K	5%	1/10W
R404	1-216-833-11	METAL CHIP	10K	5%	1/10W
R405	1-216-833-11	METAL CHIP	10K	5%	1/10W
R406	1-216-833-11	METAL CHIP	10K	5%	1/10W
R407	1-216-833-11	METAL CHIP	10K	5%	1/10W
R408	1-216-837-11	METAL CHIP	22K	5%	1/10W
R409	1-216-837-11	METAL CHIP	22K	5%	1/10W
R410	1-216-833-11	METAL CHIP	10K	5%	1/10W
R411	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R412	1-216-837-11	METAL CHIP	22K	5%	1/10W
R413	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R414	1-216-809-11	METAL CHIP	100	5%	1/10W
R415	1-216-835-11	METAL CHIP	15K	5%	1/10W
R416	1-216-837-11	METAL CHIP	22K	5%	1/10W
R417	1-216-837-11	METAL CHIP	22K	5%	1/10W
R418	1-216-845-11	METAL CHIP	100K	5%	1/10W
R419	1-216-845-11	METAL CHIP	100K	5%	1/10W
R420	1-216-182-00	RES-CHIP	220	5%	1/8W
R421	1-216-270-00	RES-CHIP	1M	5%	1/8W
R422	1-218-269-11	METAL CHIP	360	5%	1/10W
R423	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R424	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R425	1-216-864-11	SHORT CHIP	0		
R426	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R427	1-216-805-11	METAL CHIP	47	5%	1/10W
R428	1-216-797-11	METAL CHIP	10	5%	1/10W
R429	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R430	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R431	1-216-797-11	METAL CHIP	10	5%	1/10W
R432	1-216-864-11	SHORT CHIP	0		
R435	1-216-864-11	SHORT CHIP	0		
R436	1-216-814-11	METAL CHIP	270	5%	1/10W
R437	1-216-864-11	SHORT CHIP	0		
R438	1-216-809-11	METAL CHIP	100	5%	1/10W
R439	1-216-809-11	METAL CHIP	100	5%	1/10W
R440	1-216-809-11	METAL CHIP	100	5%	1/10W
R441	1-216-803-11	METAL CHIP	33	5%	1/10W
R442	1-216-803-11	METAL CHIP	33	5%	1/10W
R443	1-216-797-11	METAL CHIP	10	5%	1/10W
R444	1-216-820-11	METAL CHIP	820	5%	1/10W
R445	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R446	1-216-820-11	METAL CHIP	820	5%	1/10W
R447	1-216-814-11	METAL CHIP	270	5%	1/10W
R448	1-216-814-11	METAL CHIP	270	5%	1/10W
R449	1-216-814-11	METAL CHIP	270	5%	1/10W
R450	1-216-814-11	METAL CHIP	270	5%	1/10W
R451	1-216-815-11	METAL CHIP	330	5%	1/10W
R452	1-216-813-11	METAL CHIP	220	5%	1/10W
R453	1-216-811-11	METAL CHIP	150	5%	1/10W
R454	1-216-805-11	METAL CHIP	47	5%	1/10W
R455	1-216-807-11	METAL CHIP	68	5%	1/10W
R456	1-216-808-11	METAL CHIP	82	5%	1/10W
R457	1-216-803-11	METAL CHIP	33	5%	1/10W
R458	1-216-833-11	METAL CHIP	10K	5%	1/10W
R459	1-216-821-11	METAL CHIP	1K	5%	1/10W
R460	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R461	1-218-269-11	METAL CHIP	360	5%	1/10W
R462	1-216-809-11	METAL CHIP	100	5%	1/10W
R463	1-216-847-11	METAL CHIP	150K	5%	1/10W
R464	1-216-818-11	METAL CHIP	560	5%	1/10W
R465	1-216-821-11	METAL CHIP	1K	5%	1/10W
R466	1-216-817-11	METAL CHIP	470	5%	1/10W
R467	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R468	1-216-815-11	METAL CHIP	330	5%	1/10W
R469	1-216-864-11	SHORT CHIP	0		
R470	1-216-813-11	METAL CHIP	220	5%	1/10W
R471	1-216-833-11	METAL CHIP	10K	5%	1/10W
R472	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R473	1-216-864-11	SHORT CHIP	0		
R476	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R477	1-218-269-11	METAL CHIP	360	5%	1/10W
R478	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R479	1-216-803-11	METAL CHIP	33	5%	1/10W
R480	1-216-835-11	METAL CHIP	15K	5%	1/10W
R481	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R482	1-216-803-11	METAL CHIP	33	5%	1/10W
R483	1-216-835-11	METAL CHIP	15K	5%	1/10W
R484	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R485	1-216-803-11	METAL CHIP	33	5%	1/10W
R486	1-216-835-11	METAL CHIP	15K	5%	1/10W
R487	1-216-849-11	METAL CHIP	220K	5%	1/10W
R488	1-216-849-11	METAL CHIP	220K	5%	1/10W
R489	1-216-849-11	METAL CHIP	220K	5%	1/10W
R490	1-216-849-11	METAL CHIP	220K	5%	1/10W
R491	1-216-849-11	METAL CHIP	220K	5%	1/10W
R492	1-216-849-11	METAL CHIP	220K	5%	1/10W
R493	1-216-849-11	METAL CHIP	220K	5%	1/10W
R494	1-216-849-11	METAL CHIP	220K	5%	1/10W
R495	1-216-849-11	METAL CHIP	220K	5%	1/10W
R496	1-216-849-11	METAL CHIP	220K	5%	1/10W
R497	1-216-821-11	METAL CHIP	1K	5%	1/10W
R498	1-216-857-11	METAL CHIP	1M	5%	1/10W
R499	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R500	1-216-797-11	METAL CHIP	10	5%	1/10W
R501	1-216-797-11	METAL CHIP	10	5%	1/10W
R502	1-216-797-11	METAL CHIP	10	5%	1/10W
R503	1-216-797-11	METAL CHIP	10	5%	1/10W
R504	1-216-797-11	METAL CHIP	10	5%	1/10W
R505	1-216-797-11	METAL CHIP	10	5%	1/10W
R506	1-216-797-11	METAL CHIP	10	5%	1/10W
R507	1-216-797-11	METAL CHIP	10	5%	1/10W
R508	1-216-797-11	METAL CHIP	10	5%	1/10W
R509	1-216-844-11	METAL CHIP	82K	5%	1/10W
R510	1-216-844-11	METAL CHIP	82K	5%	1/10W
R511	1-216-844-11	METAL CHIP	82K	5%	1/10W
R512	1-216-844-11	METAL CHIP	82K	5%	1/10W
R513	1-216-844-11	METAL CHIP	82K	5%	1/10W
R514	1-216-803-11	METAL CHIP	33	5%	1/10W
R515	1-216-835-11	METAL CHIP	15K	5%	1/10W
R516	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R517	1-216-803-11	METAL CHIP	33	5%	1/10W
R533	1-216-797-11	METAL CHIP	10	5%	1/10W
R534	1-216-797-11	METAL CHIP	10	5%	1/10W

AMP **ANALOG IN**

Ref. No.	Part No.	Description			Remark
R535	1-216-797-11	METAL CHIP	10	5%	1/10W
R536	1-216-797-11	METAL CHIP	10	5%	1/10W
R537	1-216-797-11	METAL CHIP	10	5%	1/10W
R538	1-216-797-11	METAL CHIP	10	5%	1/10W
R539	1-216-797-11	METAL CHIP	10	5%	1/10W
R540	1-216-797-11	METAL CHIP	10	5%	1/10W
R541	1-216-797-11	METAL CHIP	10	5%	1/10W
R542	1-216-797-11	METAL CHIP	10	5%	1/10W
R543	1-216-797-11	METAL CHIP	10	5%	1/10W
R544	1-216-797-11	METAL CHIP	10	5%	1/10W
R545	1-216-797-11	METAL CHIP	10	5%	1/10W
R546	1-216-797-11	METAL CHIP	10	5%	1/10W
R547	1-216-797-11	METAL CHIP	10	5%	1/10W
R548	1-216-797-11	METAL CHIP	10	5%	1/10W
R549	1-216-797-11	METAL CHIP	10	5%	1/10W
R550	1-216-797-11	METAL CHIP	10	5%	1/10W
R551	1-216-797-11	METAL CHIP	10	5%	1/10W
R552	1-216-797-11	METAL CHIP	10	5%	1/10W
R553	1-216-797-11	METAL CHIP	10	5%	1/10W
R554	1-216-797-11	METAL CHIP	10	5%	1/10W
R555	1-216-797-11	METAL CHIP	10	5%	1/10W
R556	1-216-797-11	METAL CHIP	10	5%	1/10W
R557	1-216-809-11	METAL CHIP	100	5%	1/10W
R558	1-216-809-11	METAL CHIP	100	5%	1/10W
R559	1-216-809-11	METAL CHIP	100	5%	1/10W
R560	1-216-809-11	METAL CHIP	100	5%	1/10W
R561	1-216-809-11	METAL CHIP	100	5%	1/10W
R562	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠R563	1-217-477-00	FUSIBLE	4.7	5%	1W
R601	1-216-815-11	METAL CHIP	330	5%	1/10W
R602	1-216-808-11	METAL CHIP	82	5%	1/10W
R603	1-216-813-11	METAL CHIP	220	5%	1/10W
R604	1-216-835-11	METAL CHIP	15K	5%	1/10W
R605	1-216-797-11	METAL CHIP	10	5%	1/10W
R606	1-216-797-11	METAL CHIP	10	5%	1/10W
R607	1-216-797-11	METAL CHIP	10	5%	1/10W
R608	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R609	1-216-803-11	METAL CHIP	33	5%	1/10W
R610	1-216-815-11	METAL CHIP	330	5%	1/10W
R611	1-216-815-11	METAL CHIP	330	5%	1/10W
R612	1-216-815-11	METAL CHIP	330	5%	1/10W
R613	1-216-815-11	METAL CHIP	330	5%	1/10W
R614	1-216-810-11	METAL CHIP	120	5%	1/10W
R615	1-216-797-11	METAL CHIP	10	5%	1/10W
R616	1-216-797-11	METAL CHIP	10	5%	1/10W
R617	1-216-810-11	METAL CHIP	120	5%	1/10W
R618	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R619	1-216-864-11	SHORT CHIP	0		
R620	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R621	1-216-864-11	SHORT CHIP	0		
⚠R624	1-243-961-21	METAL CHIP	0.1	5%	1W
⚠R625	1-243-961-21	METAL CHIP	0.1	5%	1W
R627	1-216-833-11	METAL CHIP	10K	5%	1/10W
R628	1-218-269-11	METAL CHIP	360	5%	1/10W
R629	1-216-849-11	METAL CHIP	220K	5%	1/10W
R630	1-216-849-11	METAL CHIP	220K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R631	1-216-844-11	METAL CHIP	82K	5%	1/10W
R632	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R636	1-216-815-11	METAL CHIP	330	5%	1/10W
R637	1-216-809-11	METAL CHIP	100	5%	1/10W
		< RELAY >			
RY301	1-515-614-11	RELAY			
RY302	1-515-614-11	RELAY			
		< THERMISTOR >			
THP301	1-805-359-21	THERMISTOR (2012)			
THP302	1-805-359-21	THERMISTOR (2012)			
THP303	1-805-359-21	THERMISTOR (2012)			
THP304	1-805-359-21	THERMISTOR (2012)			
THP305	1-805-359-21	THERMISTOR (2012)			
THP601	1-805-359-21	THERMISTOR (2012)			
		< TERMINAL >			
TM301	1-780-023-11	TERMINAL BOARD (SPEAKER) (FRONT L)			
TM302	1-780-023-11	TERMINAL BOARD (SPEAKER) (FRONT R)			
TM303	1-780-023-11	TERMINAL BOARD (SPEAKER) (CENTER)			
TM304	1-780-023-11	TERMINAL BOARD (SPEAKER) (SURROUND L)			
TM305	1-780-023-11	TERMINAL BOARD (SPEAKER) (SURROUND R)			
TM601	1-780-023-11	TERMINAL BOARD (SPEAKER) (SURROUND BACK)			
		< VIBRATOR >			
X300	1-795-660-21	QUARTZ CRYSTAL UNIT (49.1MHz)			
**********					
	A-1070-925-A	ANALOG IN BOARD, COMPLETE (SP, MY)			
	A-4752-844-A	ANALOG IN BOARD, COMPLETE (AEP, UK)			
		**********			
		< CAPACITOR >			
C101	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C102	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C103	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK)
C104	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C106	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C107	1-119-824-11	ELECT	10uF	20%	50V
C108	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C109	1-127-718-91	ELECT	100uF	20%	16V
C110	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C111	1-119-823-11	ELECT	4.7uF	20%	50V
C112	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C113	1-128-844-11	ELECT	33uF	20%	25V
C114	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C115	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C116	1-128-844-11	ELECT	33uF	20%	25V
C117	1-119-799-11	ELECT	47uF	20%	25V
C118	1-119-824-11	ELECT	10uF	20%	50V
C119	1-119-824-11	ELECT	10uF	20%	50V
C120	1-128-844-11	ELECT	33uF	20%	25V
C121	1-119-823-11	ELECT	4.7uF	20%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

ANALOG IN

Ref. No.	Part No.	Description			Remark
C122	1-128-832-11	ELECT	220uF	20%	10V
C123	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C124	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C125	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C126	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C127	1-128-844-11	ELECT	33uF	20%	25V
C128	1-128-844-11	ELECT	33uF	20%	25V
C129	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C130	1-119-823-11	ELECT	4.7uF	20%	50V
C131	1-127-718-91	ELECT	100uF	20%	16V
C132	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C133	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C134	1-128-844-11	ELECT	33uF	20%	25V
C135	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C136	1-128-844-11	ELECT	33uF	20%	25V
C137	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C138	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C139	1-128-844-11	ELECT	33uF	20%	25V
C140	1-119-799-11	ELECT	47uF	20%	25V
C141	1-119-824-11	ELECT	10uF	20%	50V
C142	1-119-824-11	ELECT	10uF	20%	50V
C143	1-128-844-11	ELECT	33uF	20%	25V
C144	1-119-823-11	ELECT	4.7uF	20%	50V
C145	1-128-832-11	ELECT	220uF	20%	10V
C146	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C147	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C148	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C149	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C150	1-128-844-11	ELECT	33uF	20%	25V
C151	1-128-844-11	ELECT	33uF	20%	25V
C152	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C153	1-119-823-11	ELECT	4.7uF	20%	50V
C154	1-127-718-91	ELECT	100uF	20%	16V
C155	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C156	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C157	1-128-844-11	ELECT	33uF	20%	25V
C158	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C159	1-119-823-11	ELECT	4.7uF	20%	50V
C160	1-127-718-91	ELECT	100uF	20%	16V
C161	1-119-799-11	ELECT	47uF	20%	25V
C162	1-119-824-11	ELECT	10uF	20%	50V
C163	1-119-824-11	ELECT	10uF	20%	50V
C164	1-128-832-11	ELECT	220uF	20%	10V
C165	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C166	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C167	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C168	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C169	1-126-967-11	ELECT	47uF	20%	50V (SP, MY)
C169	1-119-799-11	ELECT	47uF	20%	25V (AEP, UK)
C170	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN101	1-784-784-11	CONNECTOR, FFC 23P			
CN111	1-568-830-11	CONNECTOR, FFC 11P (SP, MY)			
CN111	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK)			

Ref. No.	Part No.	Description			Remark
		< EARTH TERMINAL >			
* EP101	1-537-738-21	TERMINAL, EARTH			
		< FERRITE BEAD >			
FB101	1-216-295-91	SHORT CHIP	0		
FB102	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC101	8-759-525-25	IC BU4052BCF-E2			
IC102	8-759-636-55	IC M5218AFP			
IC103	6-701-834-01	IC PCM1802DBR			
IC104	8-759-636-55	IC M5218AFP			
IC105	6-701-834-01	IC PCM1802DBR			
IC106	8-759-636-55	IC M5218AFP			
IC107	6-701-834-01	IC PCM1802DBR			
IC108	8-759-196-96	IC TC7SH08FU-TE85R			
IC109	8-759-473-41	IC BA10T			
		< JACK >			
J101	1-794-793-11	JACK, PIN 4P (ANALOG IN)			
J102	1-793-482-11	JACK, PIN 6P (MULTI CH INPUT)			
		< COIL >			
L101	1-408-789-21	INDUCTOR	100uH (AEP, UK)		
L102	1-408-789-21	INDUCTOR	100uH (AEP, UK)		
L103	1-408-789-21	INDUCTOR	100uH		
L104	1-408-789-21	INDUCTOR	100uH		
L105	1-408-789-21	INDUCTOR	100uH		
L106	1-408-789-21	INDUCTOR	100uH		
L107	1-414-754-11	INDUCTOR	10uH		
L108	1-414-754-11	INDUCTOR	10uH		
L109	1-414-754-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q101	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q102	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R101	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R102	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R103	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R104	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R105	1-216-845-11	METAL CHIP	100K	5%	1/10W
R106	1-216-845-11	METAL CHIP	100K	5%	1/10W
R107	1-216-845-11	METAL CHIP	100K	5%	1/10W
R108	1-216-845-11	METAL CHIP	100K	5%	1/10W
R109	1-216-845-11	METAL CHIP	100K	5%	1/10W
R110	1-216-845-11	METAL CHIP	100K	5%	1/10W
R111	1-216-845-11	METAL CHIP	100K	5%	1/10W
R112	1-216-803-11	METAL CHIP	33	5%	1/10W
R113	1-216-845-11	METAL CHIP	100K	5%	1/10W
R114	1-216-837-11	METAL CHIP	22K	5%	1/10W
R115	1-216-837-11	METAL CHIP	22K	5%	1/10W

ANALOG IN / DIGITAL

Ref. No.	Part No.	Description			Remark
R116	1-216-864-11	SHORT CHIP	0		
R117	1-216-809-11	METAL CHIP	100	5%	1/10W
R118	1-216-833-11	METAL CHIP	10K	5%	1/10W
R119	1-216-833-11	METAL CHIP	10K	5%	1/10W
R120	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R121	1-216-809-11	METAL CHIP	100	5%	1/10W
R122	1-216-833-11	METAL CHIP	10K	5%	1/10W
R123	1-216-821-11	METAL CHIP	1K	5%	1/10W
R124	1-216-845-11	METAL CHIP	100K	5%	1/10W
R126	1-216-845-11	METAL CHIP	100K	5%	1/10W
R127	1-216-821-11	METAL CHIP	1K	5%	1/10W
R128	1-216-833-11	METAL CHIP	10K	5%	1/10W
R129	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R130	1-216-809-11	METAL CHIP	100	5%	1/10W
R131	1-216-821-11	METAL CHIP	1K	5%	1/10W
R133	1-216-821-11	METAL CHIP	1K	5%	1/10W
R134	1-216-809-11	METAL CHIP	100	5%	1/10W
R135	1-216-845-11	METAL CHIP	100K	5%	1/10W
R136	1-216-845-11	METAL CHIP	100K	5%	1/10W
R137	1-216-821-11	METAL CHIP	1K	5%	1/10W
R138	1-216-864-11	SHORT CHIP	0		
R139	1-216-809-11	METAL CHIP	100	5%	1/10W
R140	1-216-821-11	METAL CHIP	1K	5%	1/10W
R141	1-216-833-11	METAL CHIP	10K	5%	1/10W
R142	1-216-833-11	METAL CHIP	10K	5%	1/10W
R143	1-216-845-11	METAL CHIP	100K	5%	1/10W
R144	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R145	1-216-809-11	METAL CHIP	100	5%	1/10W
R146	1-216-845-11	METAL CHIP	100K	5%	1/10W
R147	1-216-821-11	METAL CHIP	1K	5%	1/10W
R148	1-216-833-11	METAL CHIP	10K	5%	1/10W
R149	1-216-821-11	METAL CHIP	1K	5%	1/10W
R150	1-216-845-11	METAL CHIP	100K	5%	1/10W
R151	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R152	1-216-845-11	METAL CHIP	100K	5%	1/10W
R153	1-216-821-11	METAL CHIP	1K	5%	1/10W
R154	1-216-833-11	METAL CHIP	10K	5%	1/10W
R155	1-216-809-11	METAL CHIP	100	5%	1/10W
R156	1-216-821-11	METAL CHIP	1K	5%	1/10W
R158	1-216-821-11	METAL CHIP	1K	5%	1/10W
R159	1-216-809-11	METAL CHIP	100	5%	1/10W
R161	1-216-845-11	METAL CHIP	100K	5%	1/10W
R162	1-216-845-11	METAL CHIP	100K	5%	1/10W
R163	1-216-821-11	METAL CHIP	1K	5%	1/10W
R164	1-216-864-11	SHORT CHIP	0		
R165	1-216-809-11	METAL CHIP	100	5%	1/10W
R166	1-216-821-11	METAL CHIP	1K	5%	1/10W
R167	1-216-833-11	METAL CHIP	10K	5%	1/10W
R168	1-216-833-11	METAL CHIP	10K	5%	1/10W
R169	1-216-845-11	METAL CHIP	100K	5%	1/10W
R170	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R171	1-216-809-11	METAL CHIP	100	5%	1/10W
R172	1-216-845-11	METAL CHIP	100K	5%	1/10W
R173	1-216-821-11	METAL CHIP	1K	5%	1/10W
R174	1-216-833-11	METAL CHIP	10K	5%	1/10W
R175	1-216-833-11	METAL CHIP	10K	5%	1/10W
R176	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R177	1-216-809-11	METAL CHIP	100	5%	1/10W
R178	1-216-809-11	METAL CHIP	100	5%	1/10W
R179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R180	1-216-821-11	METAL CHIP	1K	5%	1/10W
R182	1-216-809-11	METAL CHIP	100	5%	1/10W
R183	1-216-001-00	RES-CHIP	10	5%	1/10W
R184	1-216-308-00	RES-CHIP	4.7	5%	1/10W
**********					
	A-1070-920-A	DIGITAL BOARD, COMPLETE (SP, MY)			
	A-4752-836-A	DIGITAL BOARD, COMPLETE (AEP, UK)			
		**********			
		< CAPACITOR >			
C201	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C203	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C204	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C205	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C206	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C207	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C208	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C209	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C210	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C211	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C212	1-127-718-91	ELECT	100uF	20%	16V
C213	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C214	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C215	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C216	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C217	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C218	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C219	1-127-718-91	ELECT	100uF	20%	16V
C220	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C221	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C222	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C223	1-117-370-11	CERAMIC CHIP	10uF		10V
C224	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C225	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C226	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C227	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C228	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C229	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C230	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C231	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C232	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C233	1-117-370-11	CERAMIC CHIP	10uF		10V
C234	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C235	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C236	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C237	1-117-370-11	CERAMIC CHIP	10uF		10V
C238	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C239	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C240	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C241	1-128-834-11	ELECT	470uF	20%	10V
C242	1-128-832-11	ELECT	220uF	20%	10V
C245	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C246	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C247	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V

DIGITAL

Ref. No.	Part No.	Description			Remark
C248	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C249	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C250	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C251	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C252	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C253	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C254	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C256	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C258	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C259	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C260	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C261	1-119-824-11	ELECT	10uF	20%	50V
C262	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C263	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C264	1-117-370-11	CERAMIC CHIP	10uF		10V
C266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C267	1-119-799-11	ELECT	47uF	20%	25V
C268	1-119-799-11	ELECT	47uF	20%	25V
C269	1-119-799-11	ELECT	47uF	20%	25V
C270	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C271	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C273	1-128-832-11	ELECT	220uF	20%	10V
C274	1-127-718-91	ELECT	100uF	20%	16V (SP, MY)
C274	1-128-861-11	ELECT	100uF	20%	50V (AEP, UK)
C276	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C278	1-119-799-11	ELECT	47uF	20%	25V
C279	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C280	1-119-825-11	ELECT	22uF	20%	50V
C281	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C282	1-135-834-91	CERAMIC CHIP	2.2uF		6.3V
C283	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C284	1-119-822-11	ELECT	3.3uF	20%	50V
C285	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C286	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C288	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C289	1-117-370-11	CERAMIC CHIP	10uF		10V
C290	1-128-832-11	ELECT	220uF	20%	10V
C291	1-162-922-11	CERAMIC CHIP	39PF	5%	50V
C292	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C293	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C294	1-128-832-11	ELECT	220uF	20%	10V
C295	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C297	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C301	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C302	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CN201	1-784-778-11	CONNECTOR, FFC 17P			
CN202	1-778-867-21	CONNECTOR, FFC/FPC 6P			
CN203	1-784-784-11	CONNECTOR, FFC 23P			
CN207	1-779-293-11	CONNECTOR, FFC (LIF (NON-ZIF)) 25P			
CN209	1-784-766-11	CONNECTOR, FFC 5P			
		< DIODE >			
D201	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description	Remark
D202	8-719-988-61	DIODE 1SS355TE-17	
D301	8-719-016-74	DIODE 1SS352	
D302	8-719-016-74	DIODE 1SS352	
D303	8-719-016-74	DIODE 1SS352	
		< EARTH TERMINAL >	
* EP201	1-537-738-21	TERMINAL, EARTH	
* EP202	1-537-738-21	TERMINAL, EARTH	
		< FERRITE BEAD >	
FB201	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB202	1-469-450-21	INDUCTOR, FERRITE BEAD (3225)	
FB203	1-469-450-21	INDUCTOR, FERRITE BEAD (3225)	
FB204	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB205	1-216-864-11	SHORT CHIP 0	
FB206	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB207	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB208	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB209	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB210	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB211	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB212	1-216-295-91	SHORT CHIP 0	
		< IC >	
IC201	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC202	6-804-246-01	IC MB91354APMT-G-104-BNDE1	
IC203	6-704-037-01	IC IC61LV6416-15TG	
IC204	8-759-680-48	IC TC7WH157FK (TE85R)	
IC205	8-759-835-63	IC NJM2391DL1-26 (TE1)	
IC206	6-702-047-01	IC CXD9718Q	
IC209	6-704-004-01	IC BR24L16F-WE2	
IC210	8-759-680-48	IC TC7WH157FK (TE85R)	
IC211	8-759-926-17	IC SN74HC153ANS	
IC212	6-600-012-11	IC TOTX141L (RED) (DIGITAL OPTICAL HDD/MD OUT)	
IC213	6-600-014-01	IC TORX141L (DIGITAL OPTICAL HDD/MD IN)	
IC214	6-600-014-01	IC TORX141L (DIGITAL OPTICAL TV/SAT IN)	
IC216	8-759-242-70	IC TC7WU04F	
IC217	8-759-825-15	IC LC89056W-E	
IC218	6-600-014-01	IC TORX141L (DIGITAL OPTICAL DVD IN)	
		< JACK >	
J201	1-793-446-21	JACK, PIN 1P (DIGITAL COAXIAL DVD IN)	
		< SHORT >	
JR201	1-216-864-11	SHORT CHIP 0 (SP, MY)	
JR203	1-216-864-11	SHORT CHIP 0 (SP, MY)	
JR204	1-216-864-11	SHORT CHIP 0 (SP, MY)	
		< COIL >	
L201	1-414-754-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q201	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q202	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q203	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q204	8-729-027-43	TRANSISTOR DTC114EKA-T146	

Ref. No.	Part No.	Description			Remark
Q301	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q302	8-729-230-49	TRANSISTOR 2SC2712-YG			
		< RESISTOR >			
R202	1-216-841-11	METAL CHIP	47K	5%	1/10W
R203	1-216-841-11	METAL CHIP	47K	5%	1/10W
R204	1-216-821-11	METAL CHIP	1K	5%	1/10W
R205	1-216-821-11	METAL CHIP	1K	5%	1/10W
R206	1-216-821-11	METAL CHIP	1K	5%	1/10W
R207	1-216-821-11	METAL CHIP	1K	5%	1/10W
R208	1-216-833-11	METAL CHIP	10K	5%	1/10W
R209	1-216-833-11	METAL CHIP	10K	5%	1/10W
R210	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R211	1-216-797-11	METAL CHIP	10	5%	1/10W
R212	1-216-809-11	METAL CHIP	100	5%	1/10W
R213	1-216-809-11	METAL CHIP	100	5%	1/10W
R214	1-216-821-11	METAL CHIP	1K	5%	1/10W
R215	1-216-821-11	METAL CHIP	1K	5%	1/10W
R216	1-216-821-11	METAL CHIP	1K	5%	1/10W
R217	1-216-864-11	SHORT CHIP	0		
R218	1-216-833-11	METAL CHIP	10K	5%	1/10W
R219	1-216-809-11	METAL CHIP	100	5%	1/10W
R220	1-216-809-11	METAL CHIP	100	5%	1/10W
R221	1-216-809-11	METAL CHIP	100	5%	1/10W
R222	1-216-809-11	METAL CHIP	100	5%	1/10W
R223	1-216-809-11	METAL CHIP	100	5%	1/10W
R224	1-216-809-11	METAL CHIP	100	5%	1/10W
R225	1-216-809-11	METAL CHIP	100	5%	1/10W
R226	1-216-809-11	METAL CHIP	100	5%	1/10W
R227	1-216-809-11	METAL CHIP	100	5%	1/10W
R228	1-216-809-11	METAL CHIP	100	5%	1/10W
R229	1-216-809-11	METAL CHIP	100	5%	1/10W
R230	1-216-809-11	METAL CHIP	100	5%	1/10W
R231	1-216-809-11	METAL CHIP	100	5%	1/10W
R232	1-216-809-11	METAL CHIP	100	5%	1/10W
R233	1-216-809-11	METAL CHIP	100	5%	1/10W
R234	1-216-809-11	METAL CHIP	100	5%	1/10W
R235	1-216-809-11	METAL CHIP	100	5%	1/10W
R236	1-216-821-11	METAL CHIP	1K	5%	1/10W
R237	1-216-821-11	METAL CHIP	1K	5%	1/10W
R238	1-216-821-11	METAL CHIP	1K	5%	1/10W
R239	1-216-821-11	METAL CHIP	1K	5%	1/10W
R240	1-216-821-11	METAL CHIP	1K	5%	1/10W
R241	1-216-821-11	METAL CHIP	1K	5%	1/10W
R242	1-216-833-11	METAL CHIP	10K	5%	1/10W
R243	1-216-821-11	METAL CHIP	1K	5%	1/10W
R244	1-216-833-11	METAL CHIP	10K	5%	1/10W
R245	1-216-833-11	METAL CHIP	10K	5%	1/10W
R246	1-216-821-11	METAL CHIP	1K	5%	1/10W
R247	1-216-833-11	METAL CHIP	10K	5%	1/10W
R248	1-216-833-11	METAL CHIP	10K	5%	1/10W
R249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R251	1-216-833-11	METAL CHIP	10K	5%	1/10W
R252	1-216-809-11	METAL CHIP	100	5%	1/10W
R253	1-216-809-11	METAL CHIP	100	5%	1/10W
R254	1-216-809-11	METAL CHIP	100	5%	1/10W
R255	1-216-809-11	METAL CHIP	100	5%	1/10W
R256	1-216-821-11	METAL CHIP	1K	5%	1/10W
R257	1-216-833-11	METAL CHIP	10K	5%	1/10W
R258	1-216-809-11	METAL CHIP	100	5%	1/10W
R259	1-216-809-11	METAL CHIP	100	5%	1/10W
R260	1-216-809-11	METAL CHIP	100	5%	1/10W
R261	1-216-809-11	METAL CHIP	100	5%	1/10W
R262	1-216-809-11	METAL CHIP	100	5%	1/10W
R263	1-216-809-11	METAL CHIP	100	5%	1/10W
R264	1-216-809-11	METAL CHIP	100	5%	1/10W
R265	1-216-809-11	METAL CHIP	100	5%	1/10W
R266	1-216-809-11	METAL CHIP	100	5%	1/10W
R267	1-216-809-11	METAL CHIP	100	5%	1/10W
R268	1-216-809-11	METAL CHIP	100	5%	1/10W
R269	1-216-821-11	METAL CHIP	1K	5%	1/10W
R270	1-216-821-11	METAL CHIP	1K	5%	1/10W
R271	1-216-821-11	METAL CHIP	1K	5%	1/10W
R272	1-216-821-11	METAL CHIP	1K	5%	1/10W
R274	1-216-809-11	METAL CHIP	100	5%	1/10W
R275	1-216-809-11	METAL CHIP	100	5%	1/10W
R276	1-216-809-11	METAL CHIP	100	5%	1/10W
R277	1-216-809-11	METAL CHIP	100	5%	1/10W
R278	1-216-809-11	METAL CHIP	100	5%	1/10W
R279	1-216-809-11	METAL CHIP	100	5%	1/10W
R280	1-216-809-11	METAL CHIP	100	5%	1/10W
R282	1-216-809-11	METAL CHIP	100	5%	1/10W
R283	1-216-809-11	METAL CHIP	100	5%	1/10W
R284	1-216-833-11	METAL CHIP	10K	5%	1/10W
R285	1-216-833-11	METAL CHIP	10K	5%	1/10W
R286	1-216-809-11	METAL CHIP	100	5%	1/10W
R287	1-216-821-11	METAL CHIP	1K	5%	1/10W
R288	1-216-809-11	METAL CHIP	100	5%	1/10W
R289	1-216-809-11	METAL CHIP	100	5%	1/10W
R290	1-216-833-11	METAL CHIP	10K	5%	1/10W
R291	1-216-809-11	METAL CHIP	100	5%	1/10W
R293	1-216-833-11	METAL CHIP	10K	5%	1/10W
R294	1-216-821-11	METAL CHIP	1K	5%	1/10W
R295	1-216-809-11	METAL CHIP	100	5%	1/10W
R296	1-216-809-11	METAL CHIP	100	5%	1/10W
R298	1-216-833-11	METAL CHIP	10K	5%	1/10W
R299	1-216-833-11	METAL CHIP	10K	5%	1/10W
R302	1-216-833-11	METAL CHIP	10K	5%	1/10W
R303	1-216-833-11	METAL CHIP	10K	5%	1/10W
R304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R306	1-216-809-11	METAL CHIP	100	5%	1/10W
R307	1-216-833-11	METAL CHIP	10K	5%	1/10W
R308	1-216-809-11	METAL CHIP	100	5%	1/10W
R309	1-216-821-11	METAL CHIP	1K	5%	1/10W
R311	1-216-809-11	METAL CHIP	100	5%	1/10W
R312	1-216-845-11	METAL CHIP	100K	5%	1/10W
R313	1-216-809-11	METAL CHIP	100	5%	1/10W
R314	1-216-809-11	METAL CHIP	100	5%	1/10W
R315	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (SP, MY)
R315	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
R316	1-216-833-11	METAL CHIP	10K	5%	1/10W (SP, MY)

Ref. No.	Part No.	Description			Remark
R317	1-216-821-11	METAL CHIP	1K	5%	1/10W
R318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R320	1-216-833-11	METAL CHIP	10K	5%	1/10W
R321	1-216-833-11	METAL CHIP	10K	5%	1/10W
R322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R323	1-216-857-11	METAL CHIP	1M	5%	1/10W
R324	1-216-821-11	METAL CHIP	1K	5%	1/10W
R325	1-216-821-11	METAL CHIP	1K	5%	1/10W
R326	1-216-821-11	METAL CHIP	1K	5%	1/10W
R327	1-216-821-11	METAL CHIP	1K	5%	1/10W
R328	1-216-821-11	METAL CHIP	1K	5%	1/10W
R329	1-216-821-11	METAL CHIP	1K	5%	1/10W
R330	1-216-833-11	METAL CHIP	10K	5%	1/10W
R331	1-216-809-11	METAL CHIP	100	5%	1/10W
R332	1-216-813-11	METAL CHIP	220	5%	1/10W
R333	1-216-809-11	METAL CHIP	100	5%	1/10W
R334	1-216-809-11	METAL CHIP	100	5%	1/10W
R335	1-216-809-11	METAL CHIP	100	5%	1/10W
R336	1-216-809-11	METAL CHIP	100	5%	1/10W
R337	1-216-809-11	METAL CHIP	100	5%	1/10W
R338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R339	1-216-801-11	METAL CHIP	22	5%	1/10W
R340	1-216-833-11	METAL CHIP	10K	5%	1/10W
R343	1-216-833-11	METAL CHIP	10K	5%	1/10W
R344	1-216-864-11	SHORT CHIP	0		
R345	1-216-809-11	METAL CHIP	100	5%	1/10W
R346	1-216-809-11	METAL CHIP	100	5%	1/10W
R348	1-216-833-11	METAL CHIP	10K	5%	1/10W
R349	1-216-809-11	METAL CHIP	100	5%	1/10W
R350	1-216-809-11	METAL CHIP	100	5%	1/10W
R351	1-216-809-11	METAL CHIP	100	5%	1/10W
R352	1-216-833-11	METAL CHIP	10K	5%	1/10W
R353	1-216-833-11	METAL CHIP	10K	5%	1/10W
R354	1-216-809-11	METAL CHIP	100	5%	1/10W
R355	1-216-845-11	METAL CHIP	100K	5%	1/10W
R356	1-216-841-11	METAL CHIP	47K	5%	1/10W
R358	1-216-864-11	SHORT CHIP	0		
R359	1-216-853-11	METAL CHIP	470K	5%	1/10W
R361	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R362	1-216-809-11	METAL CHIP	100	5%	1/10W
R363	1-216-809-11	METAL CHIP	100	5%	1/10W
R364	1-216-809-11	METAL CHIP	100	5%	1/10W
R366	1-216-833-11	METAL CHIP	10K	5%	1/10W
R367	1-216-817-11	METAL CHIP	470	5%	1/10W
R368	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R369	1-216-841-11	METAL CHIP	47K	5%	1/10W
R370	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R371	1-216-841-11	METAL CHIP	47K	5%	1/10W
R372	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R373	1-218-285-11	METAL CHIP	75	5%	1/10W
R374	1-216-809-11	METAL CHIP	100	5%	1/10W
R375	1-216-821-11	METAL CHIP	1K	5%	1/10W
R378	1-216-821-11	METAL CHIP	1K	5%	1/10W
R379	1-216-857-11	METAL CHIP	1M	5%	1/10W
R380	1-216-809-11	METAL CHIP	100	5%	1/10W
R381	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R382	1-216-801-11	METAL CHIP	22	5%	1/10W
R383	1-216-801-11	METAL CHIP	22	5%	1/10W
R384	1-216-809-11	METAL CHIP	100	5%	1/10W
R385	1-216-809-11	METAL CHIP	100	5%	1/10W
R386	1-216-857-11	METAL CHIP	1M	5%	1/10W
R387	1-216-809-11	METAL CHIP	100	5%	1/10W
R388	1-216-809-11	METAL CHIP	100	5%	1/10W
R389	1-216-809-11	METAL CHIP	100	5%	1/10W
R390	1-216-815-11	METAL CHIP	330	5%	1/10W
R391	1-216-809-11	METAL CHIP	100	5%	1/10W
R392	1-216-843-11	METAL CHIP	68K	5%	1/10W
R393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R394	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< VIBRATOR >			
X201	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
X202	1-579-993-21	VIBRATOR, CERAMIC (13.5MHz)			
X203	1-781-465-21	VIBRATOR, CRYSTAL (12.288MHz)			
**********					
	A-4752-848-A	DISPLAY BOARD, COMPLETE			
		**********			
	4-246-462-01	HOLDER (FL-B9)			
*	4-921-941-01	CUSHION (FL)			
		< CAPACITOR >			
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C803	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C804	1-124-261-00	ELECT	10uF	20%	50V
C805	1-124-261-00	ELECT	10uF	20%	50V
C806	1-131-685-31	FILM	0.027uF	5%	50V
C807	1-124-261-00	ELECT	10uF	20%	50V
C808	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C809	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C810	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C811	1-124-261-00	ELECT	10uF	20%	50V
C812	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C813	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C814	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C816	1-124-261-00	ELECT	10uF	20%	50V
C817	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C818	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C819	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C820	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
		< CONNECTOR >			
CN801	1-784-778-11	CONNECTOR, FFC 17P			
CN803	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
		< DIODE >			
D801	8-719-988-61	DIODE 1SS355TE-17			
D802	8-719-988-61	DIODE 1SS355TE-17			
D803	8-719-069-56	DIODE UDZSTE-176.2B			
D804	8-719-988-61	DIODE 1SS355TE-17			
D805	8-719-988-61	DIODE 1SS355TE-17			
D809	8-719-988-61	DIODE 1SS355TE-17			
D810	8-719-988-61	DIODE 1SS355TE-17			

DISPLAY HP LED POWER

Ref. No.	Part No.	Description			Remark
		< FLUORESCENT INDICATOR >			
FL801	1-518-993-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC802	8-759-643-83	IC uPD16315GB-3BS			
IC803	8-759-157-94	IC TC74ACT08F (EL)			
		< COIL >			
L801	1-412-963-11	INDUCTOR 100uH			
L802	1-410-478-11	INDUCTOR 47uH			
		< TRANSISTOR >			
Q801	8-729-822-05	TRANSISTOR 2SD1622ST-TD-E			
Q802	8-729-822-05	TRANSISTOR 2SD1622ST-TD-E			
Q803	8-729-901-00	TRANSISTOR DTC124EK			
		< RESISTOR >			
R801	1-216-824-11	METAL CHIP	1.8K	5% 1/10W	
R802	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R803	1-216-817-11	METAL CHIP	470	5% 1/10W	
R804	1-216-817-11	METAL CHIP	470	5% 1/10W	
R805	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R806	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R807	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R808	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R810	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R811	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R812	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R813	1-216-844-11	METAL CHIP	82K	5% 1/10W	
⚠R816	1-249-399-11	CARBON	33	5% 1/4W	
R818	1-216-821-11	METAL CHIP	1K	5% 1/10W	
		< VARIABLE RESISTOR >			
RV802	1-467-808-21	ENCODER, ROTARY (INPUT SELECTOR)			
		< SWITCH >			
S802	1-771-349-21	SWITCH, KEYBOARD (MULTI CH IN)			
S803	1-771-349-21	SWITCH, KEYBOARD (SOUND FIELD)			
S804	1-771-349-21	SWITCH, KEYBOARD (SURR BACK DECODING)			
S805	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING +)			
S806	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING -)			
S807	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)			
S808	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)			
S809	1-771-349-21	SWITCH, KEYBOARD (2CH)			
S810	1-771-349-21	SWITCH, KEYBOARD (DIRECT)			
		< TRANSFORMER >			
T801	1-443-300-11	TRANSFORMER, DC-DC CONVERTER			
**********					
		HP BOARD			
		********			
		< CAPACITOR >			
C415	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C416	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V	
C417	1-162-966-11	CERAMIC CHIP	0.0022uF	10% 50V	

Ref. No.	Part No.	Description			Remark
		< FERRITE BEAD >			
FB401	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB402	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< JACK >			
J401	1-815-313-11	JACK (PHONES)			
**********					
		LED BOARD			
		*********			
	3-362-478-01	HOLDER (T), LED			
		< CAPACITOR >			
C801	1-119-943-91	ELECT	47uF	20% 50V	
C815	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
		< DIODE >			
D808	8-719-304-78	DIODE SEL2210R-D (STANDBY)			
		< IC >			
IC801	8-759-826-34	IC NJL74H400A (■)			
		< RESISTOR >			
R809	1-216-809-11	METAL CHIP	100	5% 1/10W	
R814	1-216-845-11	METAL CHIP	100K	5% 1/10W	
R815	1-216-797-11	METAL CHIP	10	5% 1/10W	
R817	1-216-815-11	METAL CHIP	330	5% 1/10W	
**********					
	A-4752-842-A	POWER BOARD, COMPLETE			
		**********			
	1-533-293-11	FUSE HOLDER			
	3-905-609-13	SCREW (TRANSISTOR)			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
⚠C901	1-165-531-11	MYLAR	1uF	10 275V	
⚠C902	1-126-933-11	ELECT	100uF	20% 16V	
C903	1-128-582-11	ELECT	10uF	20% 100V	
⚠C904	1-113-920-11	CERAMIC	0.0022uF	20% 250V	
⚠C905	1-113-920-11	CERAMIC	0.0022uF	20% 250V	
⚠C906	1-113-920-11	CERAMIC	0.0022uF	20% 250V	
⚠C907	1-165-530-11	MYLAR	0.47uF	10 275V	
C910	1-162-962-11	CERAMIC CHIP	470PF	10% 50V	
⚠C913	1-126-966-11	ELECT	33uF	20% 50V	
C914	1-110-622-11	ELECT	1000uF	20% 63V	
C915	1-137-150-11	FILM	0.01uF	5% 100V	
⚠C916	1-100-973-11	ELECT (BLOCK)	470uF	20% 450V	
C917	1-137-150-11	FILM	0.01uF	5% 100V	
C918	1-136-270-11	FILM	47PF	5% 630V	
⚠C919	1-126-965-91	ELECT	22uF	20% 50V	
⚠C920	1-135-623-11	FILM	10000PF	5% 630V	
C922	1-136-555-11	FILM	0.0022uF	5% 630V	
⚠C923	1-136-538-11	FILM	0.001uF	3% 2KV	
C924	1-117-306-11	ELECT	3300uF	20% 16V	
C925	1-117-306-11	ELECT	3300uF	20% 16V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

POWER

Ref. No.	Part No.	Description			Remark
C926	1-117-332-11	ELECT	2200uF	20% 25V	
C928	1-130-489-00	MYLAR	0.033uF	5% 50V	
C929	1-100-566-91	CERAMIC CHIP	0.1uF	10% 25V	
C930	1-130-338-61	FILM	0.01uF	5% 630V	
C931	1-135-683-91	ELECT	330uF	25V	
C932	1-110-622-11	ELECT	1000uF	20% 63V	
C933	1-110-622-11	ELECT	1000uF	20% 63V	
C934	1-110-622-11	ELECT	1000uF	20% 63V	
C935	1-100-566-91	CERAMIC CHIP	0.1uF	10% 25V	
C936	1-124-579-51	ELECT	1000uF	20% 16V	
C937	1-126-768-11	ELECT	2200uF	20% 16V	
⚠C938	1-136-287-11	FILM	0.0047uF	5% 100V	
C939	1-162-964-11	CERAMIC CHIP	0.001uF	10% 50V	
C941	1-104-658-91	ELECT	100uF	20% 10V	
C943	1-126-934-11	ELECT	220uF	20% 16V	
C944	1-128-582-11	ELECT	10uF	20% 100V	
C945	1-100-566-91	CERAMIC CHIP	0.1uF	10% 25V	
C947	1-126-924-11	ELECT	330uF	20% 10V	
C948	1-126-934-11	ELECT	220uF	20% 16V	
C949	1-126-237-11	ELECT	1200uF	20% 6.3V	
⚠C953	1-113-904-51	CERAMIC	0.0015uF	20% 250V	
C954	1-100-566-91	CERAMIC CHIP	0.1uF	10% 25V	
⚠C955	1-162-960-11	CERAMIC CHIP	220PF	10% 50V	
⚠C956	1-137-365-11	MYLAR	0.0015uF	5% 50V	
C958	1-126-925-91	ELECT	470uF	20% 10V	
C961	1-130-471-00	MYLAR	0.001uF	5% 50V	
C962	1-137-374-11	MYLAR	0.047uF	5% 50V	
		< CONNECTOR >			
CN902	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CN903	1-784-926-11	PIN, CONNECTOR 11P			
* CNP901	1-564-321-21	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< DIODE >			
D901	8-719-083-66	DIODE UDZSTE-1718B			
⚠D902	8-719-084-21	DIODE 10E6N-TA1B2			
⚠D903	8-719-085-37	DIODE 11EQS10-TB5			
⚠D904	8-719-084-21	DIODE 10E6N-TA1B2			
⚠D905	6-500-392-01	DIODE RBV-606-01			
⚠D906	8-719-085-37	DIODE 11EQS10-TB5			
D907	6-500-072-01	DIODE SARS01-V1			
⚠D908	8-719-083-69	DIODE UDZSTE-1724B			
⚠D909	8-719-083-67	DIODE UDZSTE-1720B			
⚠D911	6-500-241-01	DIODE SARS03			
⚠D912	8-719-085-37	DIODE 11EQS10-TB5			
D913	8-719-058-38	DIODE FMN-G12S			
D914	8-719-067-78	DIODE RN3Z-LF014-302			
D915	8-719-067-78	DIODE RN3Z-LF014-302			
⚠D916	8-719-083-69	DIODE UDZSTE-1724B			
D917	6-500-383-01	DIODE YG906C2R			
D918	8-719-301-45	DIODE RK14			
D919	8-719-069-55	DIODE UDZSTE-175.6B			
D920	6-500-522-31	DIODE 10EDB40-TB5			
D921	6-500-522-31	DIODE 10EDB40-TB5			
D925	8-719-069-55	DIODE UDZSTE-175.6B			
D926	8-719-069-55	DIODE UDZSTE-175.6B			
D927	8-719-083-52	DIODE UDZSTE-1716B			

Ref. No.	Part No.	Description			Remark
D928	8-719-016-74	DIODE 1SS352			
⚠D929	8-719-085-37	DIODE 11EQS10-TB5			
D930	8-719-053-18	DIODE 1SR154-400TE-25			
D931	8-719-016-74	DIODE 1SS352			
D932	8-719-069-55	DIODE UDZSTE-175.6B			
D933	8-719-016-74	DIODE 1SS352			
		< EARTH TERMINAL >			
* EP901	1-537-738-21	TERMINAL, EARTH			
* EP902	1-537-738-21	TERMINAL, EARTH			
* EP904	1-537-738-21	TERMINAL, EARTH			
* EP905	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC901	6-702-386-01	IC STR-G7421			
⚠IC902	6-704-217-01	IC STR-F6268M			
IC903	8-749-920-44	IC SE-012N			
IC904	6-700-812-01	IC SI-8050JF			
IC905	8-759-648-34	IC TA76431AS (TPE6)			
IC906	8-759-245-86	IC TA79012S			
IC907	8-759-473-41	IC BA10T			
IC908	8-759-445-59	IC BA033T			
IC909	8-759-932-23	IC TLC272CP			
IC910	8-759-445-59	IC BA033T			
		< COIL >			
L901	1-419-505-11	INDUCTOR 10uH			
L902	1-456-545-11	INDUCTOR 100uH			
L904	1-456-545-11	INDUCTOR 100uH			
L905	1-456-545-11	INDUCTOR 100uH			
L906	1-456-545-11	INDUCTOR 100uH			
L907	1-414-398-11	INDUCTOR 10uH			
L908	1-414-398-11	INDUCTOR 10uH			
L910	1-414-398-11	INDUCTOR 10uH			
L911	1-414-398-11	INDUCTOR 10uH			
L912	1-414-398-11	INDUCTOR 10uH			
		< LINE FILTER >			
⚠LF901	1-428-905-11	COIL, LINE FILTER			
⚠LF902	1-428-905-11	COIL, LINE FILTER			
		< PHOTO COUPLER >			
⚠PC901	8-749-019-04	IC TLP421			
⚠PC902	8-749-019-04	IC TLP421			
		< TRANSISTOR >			
Q901	8-729-025-04	TRANSISTOR 2SC3852A			
Q902	8-729-027-31	TRANSISTOR DTA124EKA-T146			
Q903	8-729-216-31	TRANSISTOR 2SA1163-G			
⚠Q904	8-729-025-04	TRANSISTOR 2SC3852A			
Q905	8-729-271-31	TRANSISTOR 2SC2713-G			
Q906	8-729-271-31	TRANSISTOR 2SC2713-G			
Q907	8-729-027-31	TRANSISTOR DTA124EKA-T146			
Q908	8-729-271-31	TRANSISTOR 2SC2713-G			
Q910	8-729-021-73	TRANSISTOR 2SC2229-OY			
Q912	8-729-271-31	TRANSISTOR 2SC2713-G			
Q914	8-729-025-04	TRANSISTOR 2SC3852A			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

POWER REG VIDEO

Ref. No.	Part No.	Description			Remark
Q917	8-729-271-31	TRANSISTOR 2SC2713-G			
Q920	8-729-901-00	TRANSISTOR DTC124EK			
		< RESISTOR >			
R901	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R903	1-249-528-91	CARBON	100	5%	1/4W
R904	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
⚠R905	1-244-317-71	METAL	0.18	5%	2W
⚠R906	1-244-317-71	METAL	0.18	5%	2W
⚠R907	1-219-237-11	SOLID	3.3M	20%	1/2W
⚠R908	1-244-317-71	METAL	0.18	5%	2W
R909	1-216-819-11	METAL CHIP	680	5%	1/10W
⚠R910	1-216-813-11	METAL CHIP	220	5%	1/10W
⚠R911	1-215-904-61	METAL OXIDE	100K	5%	2W
R912	1-245-261-31	METAL OXIDE	0.12	5%	2W
R913	1-245-261-31	METAL OXIDE	0.12	5%	2W
R914	1-245-261-31	METAL OXIDE	0.12	5%	2W
⚠R915	1-249-564-31	CARBON	3.3K	5%	1/4W
R916	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R917	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R918	1-215-889-61	METAL OXIDE	330	5%	2W
R919	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R920	1-215-880-31	METAL OXIDE	10	5%	2W
⚠R921	1-249-568-31	CARBON	4.7K	5%	1/4W
⚠R922	1-245-428-11	METAL OXIDE	150K	5%	2W
⚠R923	1-249-504-31	CARBON	10	5%	1/4W
⚠R924	1-249-552-91	CARBON	1K	5%	1/4W
R925	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R926	1-218-644-11	METAL CHIP	10	0.5%	1/10W
R927	1-249-556-31	CARBON	1.5K	5%	1/4W
R928	1-249-556-31	CARBON	1.5K	5%	1/4W
R929	1-216-820-11	METAL CHIP	820	5%	1/10W
R930	1-216-812-11	METAL CHIP	180	5%	1/10W
R931	1-249-556-31	CARBON	1.5K	5%	1/4W
R932	1-249-556-31	CARBON	1.5K	5%	1/4W
R933	1-216-819-11	METAL CHIP	680	5%	1/10W
R934	1-216-821-11	METAL CHIP	1K	5%	1/10W
R935	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R937	1-216-821-11	METAL CHIP	1K	5%	1/10W
R941	1-249-588-91	CARBON	33K	5%	1/4W
R946	1-218-692-11	METAL CHIP	1K	0.5%	1/10W
R947	1-216-436-00	METAL OXIDE	3.9K	5%	1W
R951	1-216-837-11	METAL CHIP	22K	5%	1/10W
R952	1-218-716-11	METAL CHIP	10K	0.5%	1/10W
R954	1-216-841-11	METAL CHIP	47K	5%	1/10W
R955	1-216-819-11	METAL CHIP	680	5%	1/10W
R956	1-216-833-11	METAL CHIP	10K	5%	1/10W
R957	1-216-839-11	METAL CHIP	33K	5%	1/10W
⚠R958	1-216-847-11	METAL CHIP	150K	5%	1/10W
R960	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R961	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R962	1-216-833-11	METAL CHIP	10K	5%	1/10W
R963	1-216-821-11	METAL CHIP	1K	5%	1/10W
R964	1-218-720-11	METAL CHIP	15K	0.5%	1/10W
R965	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R966	1-218-703-11	METAL CHIP	3K	0.5%	1/10W
R967	1-216-853-11	METAL CHIP	470K	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< TRANSFORMER >			
⚠T901	1-443-474-11	TRANSFORMER, DC CONVERTER			
T902	1-439-868-11	TRANSFORMER, DC CONVERTER			
		< THERMISTOR >			
⚠TH901	1-803-916-11	THERMISTOR, NTC			
**********					
		REG BOARD			
		**********			
		< CAPACITOR >			
C990	1-135-770-91	ELECT	47uF		63V
		< CONNECTOR >			
* CN990	1-566-693-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CN991	1-564-214-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
		< DIODE >			
D990	6-500-522-31	DIODE 10EDB40-TB5			
		< TRANSISTOR >			
Q990	8-749-010-43	IC NEN250			
		< RESISTOR >			
R990	1-249-560-31	CARBON	2.2K	5%	1/4W
R991	1-249-604-31	CARBON	150K	5%	1/4W
R992	1-249-405-11	CARBON	100	5%	1/4W
R993	1-249-405-11	CARBON	100	5%	1/4W
**********					
		VIDEO BOARD			
		**********			
		< CAPACITOR >			
C703	1-126-916-11	ELECT	1000uF	20%	6.3V
C704	1-126-960-11	ELECT	1uF	20%	50V
C705	1-126-960-11	ELECT	1uF	20%	50V
C706	1-126-960-11	ELECT	1uF	20%	50V
C707	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C708	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C709	1-126-968-11	ELECT	100uF	20%	50V
C710	1-126-933-11	ELECT	100uF	20%	16V
		< CONNECTOR >			
CN701	1-784-766-11	CONNECTOR, FFC 5P			
		< DIODE >			
D806	8-719-988-61	DIODE 1SS355TE-17			
D807	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC701	8-759-474-37	IC NJM2279M-TE2			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

VIDEO VOL

Ref. No.	Part No.	Description			Remark
		< JACK >			
J701	1-766-400-11	JACK, PIN 2P (VIDEO IN DVD/VIDEO)			
J702	1-766-400-11	JACK, PIN 2P (VIDEO TV/SAT IN/MONITOR OUT)			
		< SHORT >			
JR703	1-216-864-11	SHORT CHIP	0		
JR704	1-216-864-11	SHORT CHIP	0		
		< JUMPER RESISTOR >			
JW705	1-216-864-11	SHORT CHIP	0		
		< RESISTOR >			
R701	1-218-285-11	METAL CHIP	75	5%	1/10W
R702	1-218-285-11	METAL CHIP	75	5%	1/10W
R703	1-218-285-11	METAL CHIP	75	5%	1/10W
R704	1-218-285-11	METAL CHIP	75	5%	1/10W
R705	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R706	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R708	1-216-845-11	METAL CHIP	100K	5%	1/10W
R781	1-216-864-11	SHORT CHIP	0		
**********					
	1-862-303-11	VOL BOARD			
		*********			
		< VARIABLE RESISTOR >			
RV801	1-418-725-51	ENCODER, ROTARY (12 TYPE) (VOLUME)			
**********					
		MISCELLANEOUS			
		**********			
59	1-773-060-11	WIRE (FLAT TYPE) (17 CORE)			
102	1-469-969-11	CLAMP, FERRITE (AEP, UK)			
⚠106	1-829-626-11	CORD, POWER			
110	1-769-939-11	WIRE (FLAT TYPE) (11 CORE) (SP, MY)			
110	1-773-003-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)			
111	1-769-857-11	WIRE (FLAT TYPE) (5 CORE)			
112	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)			
114	1-828-386-11	WIRE (FLAT TYPE) (25 CORE)			
⚠F901	1-576-230-12	FUSE (H.B.C.) (T3.15AL/250V)			
FL801	1-518-993-11	INDICATOR TUBE, FLUORESCENT			
TM101	1-693-578-41	TUNER (AEP, UK)			
TM101	1-693-641-11	TUNER (SP, MY)			
⚠	1-770-019-51	ADAPTOR, CONVERSION PLUG (UK)			
**********					
		ACCESSORIES			
		**********			
	1-478-656-11	COMMANDER, STANDARD (RM-PP450)			
	1-501-374-12	LOOP ANT (AM) (UK, SP, MY)			
	1-501-807-12	ANTENNA (FM)			
	1-754-149-11	LOOP ANT (AM) (AEP)			
	4-251-318-11	COVER, PROTECTION			
	4-255-065-11	MANUAL, INSTRUCTION (ENGLISH)			
	4-255-065-21	MANUAL, INSTRUCTION (FRENCH, SPANISH) (AEP, SP, MY)			

Ref. No.	Part No.	Description	Remark
	4-255-065-31	MANUAL, INSTRUCTION (GERMAN, ITALIAN, DUTCH) (AEP)	
	4-255-065-41	MANUAL, INSTRUCTION (SWEDISH, POLISH) (AEP)	
	4-255-065-51	MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (SP, MY)	

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Replace only with part number specified.